

Fig. 1A

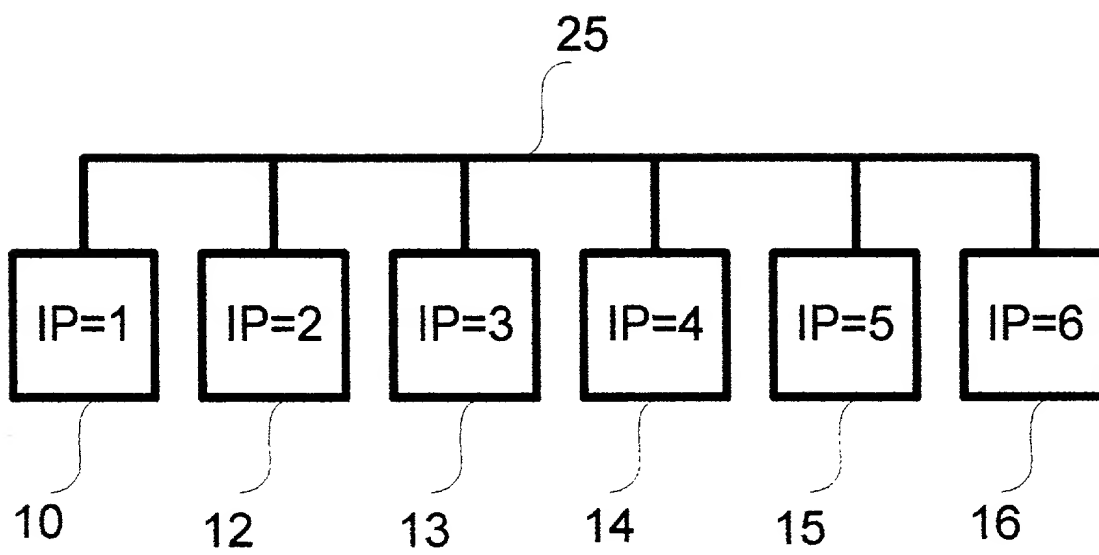


Fig. 1B

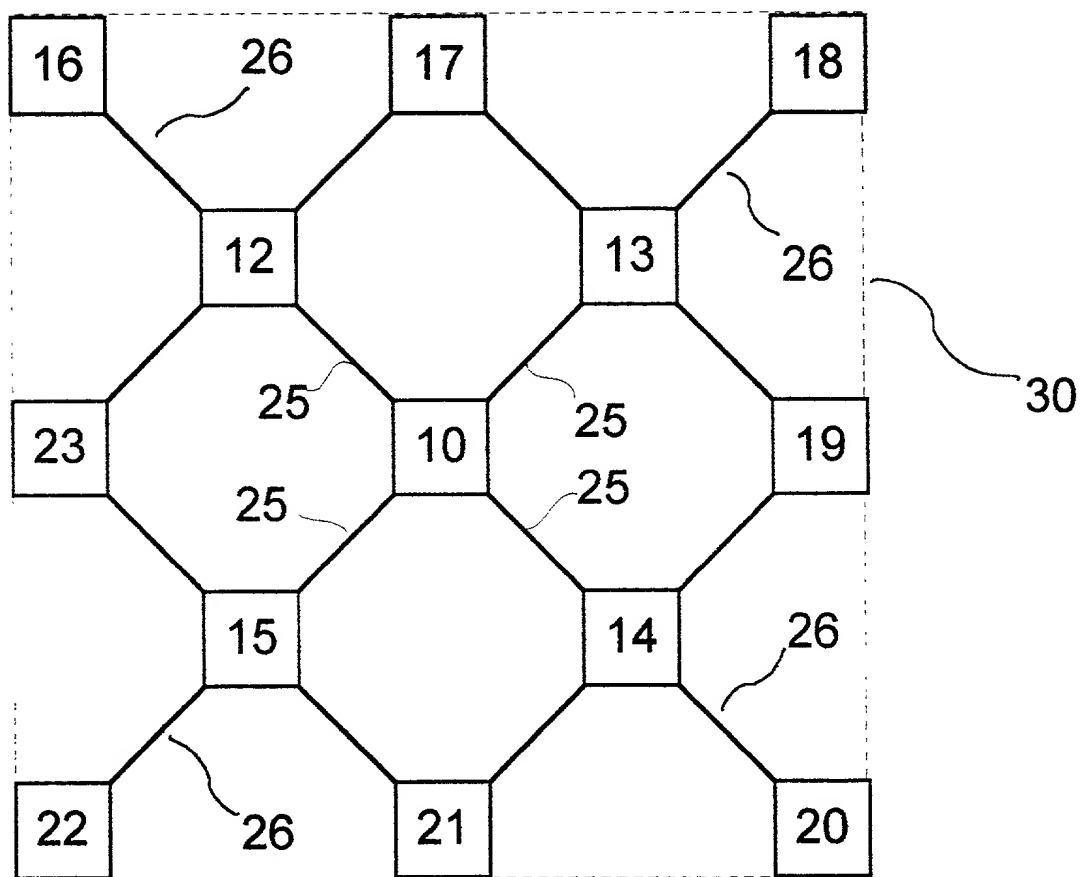


FIG. 2

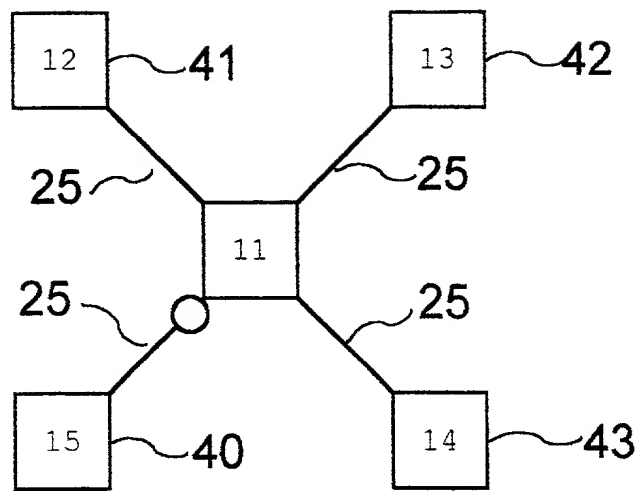


FIG. 3A

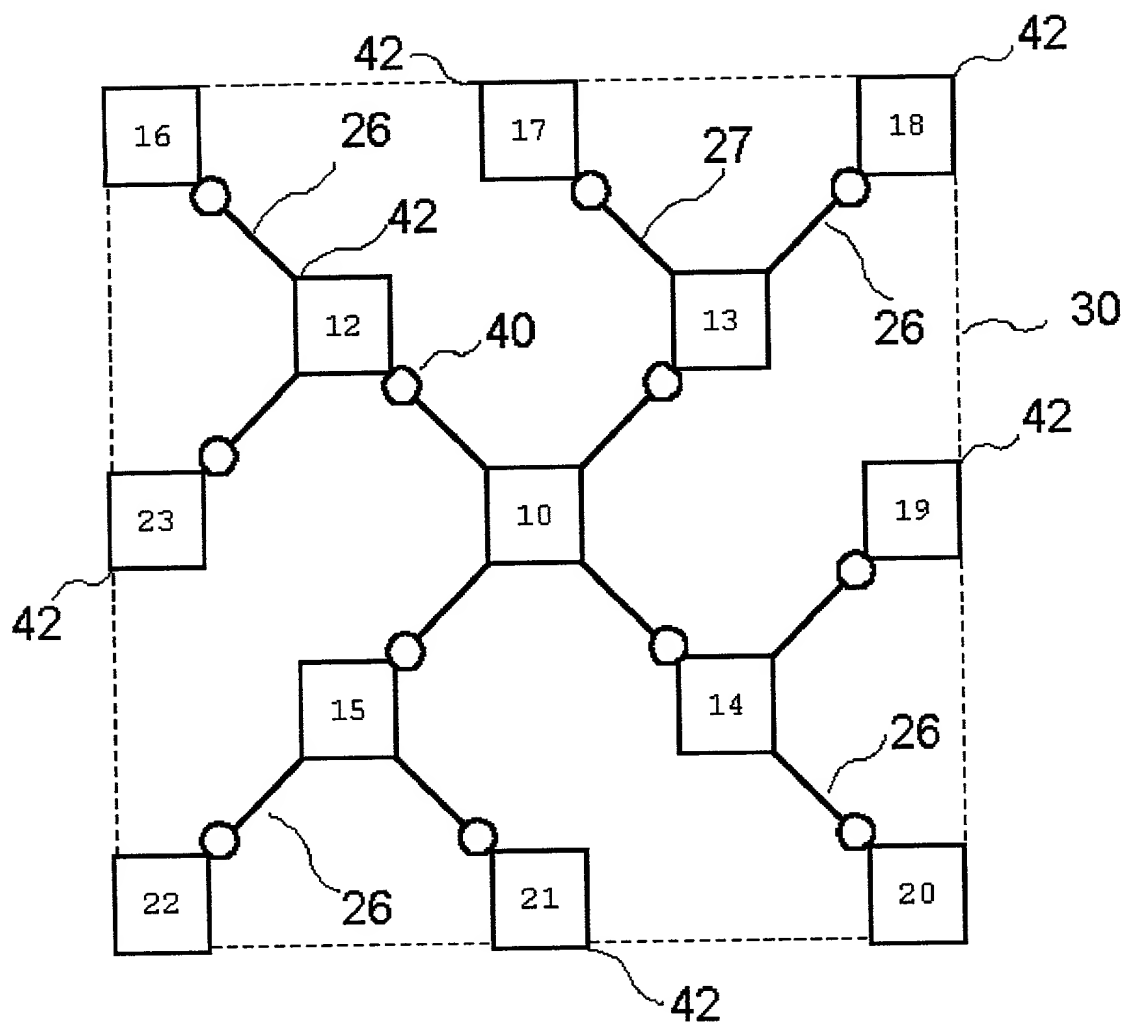


FIG. 3B

FIG. 4

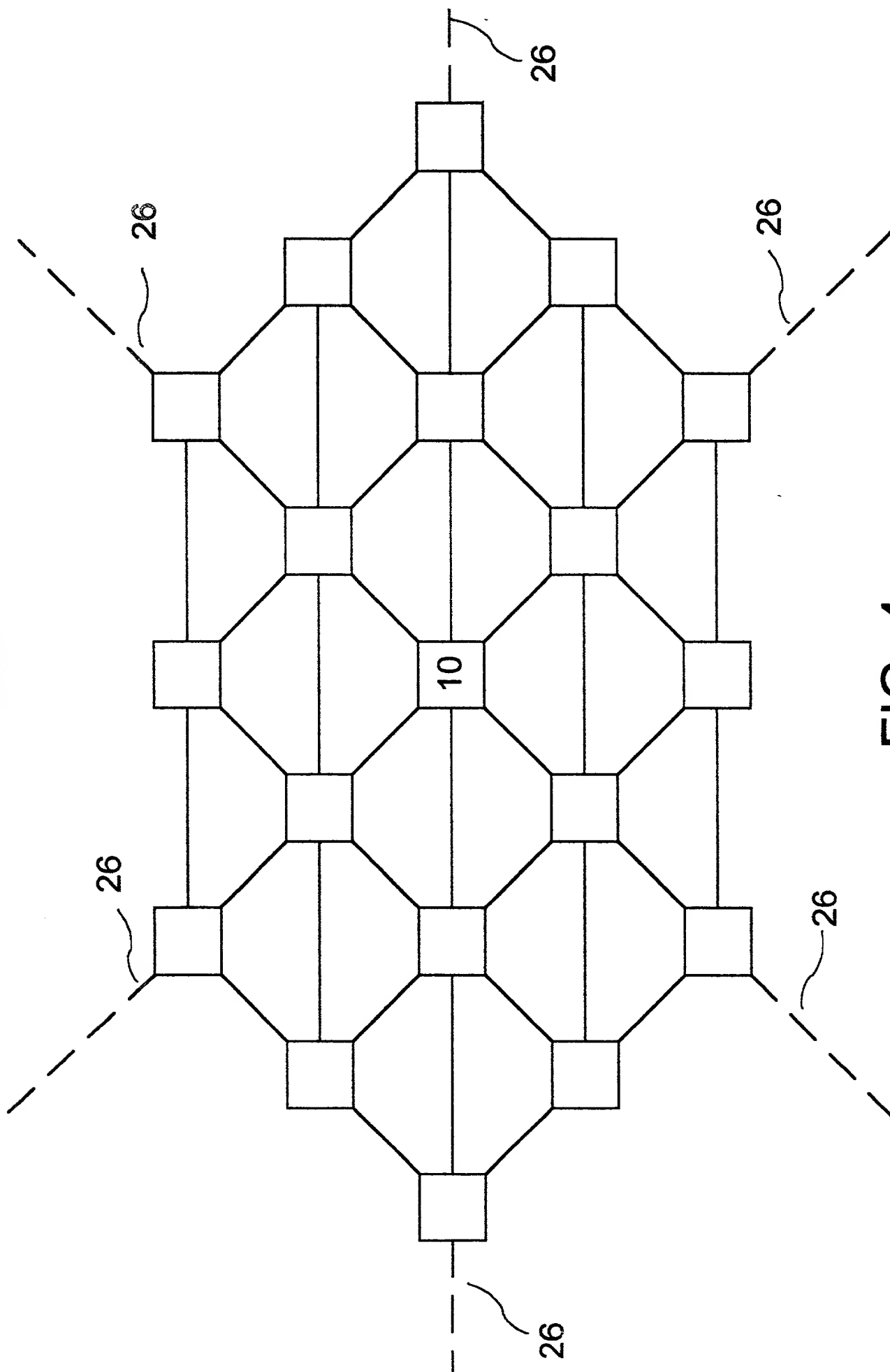
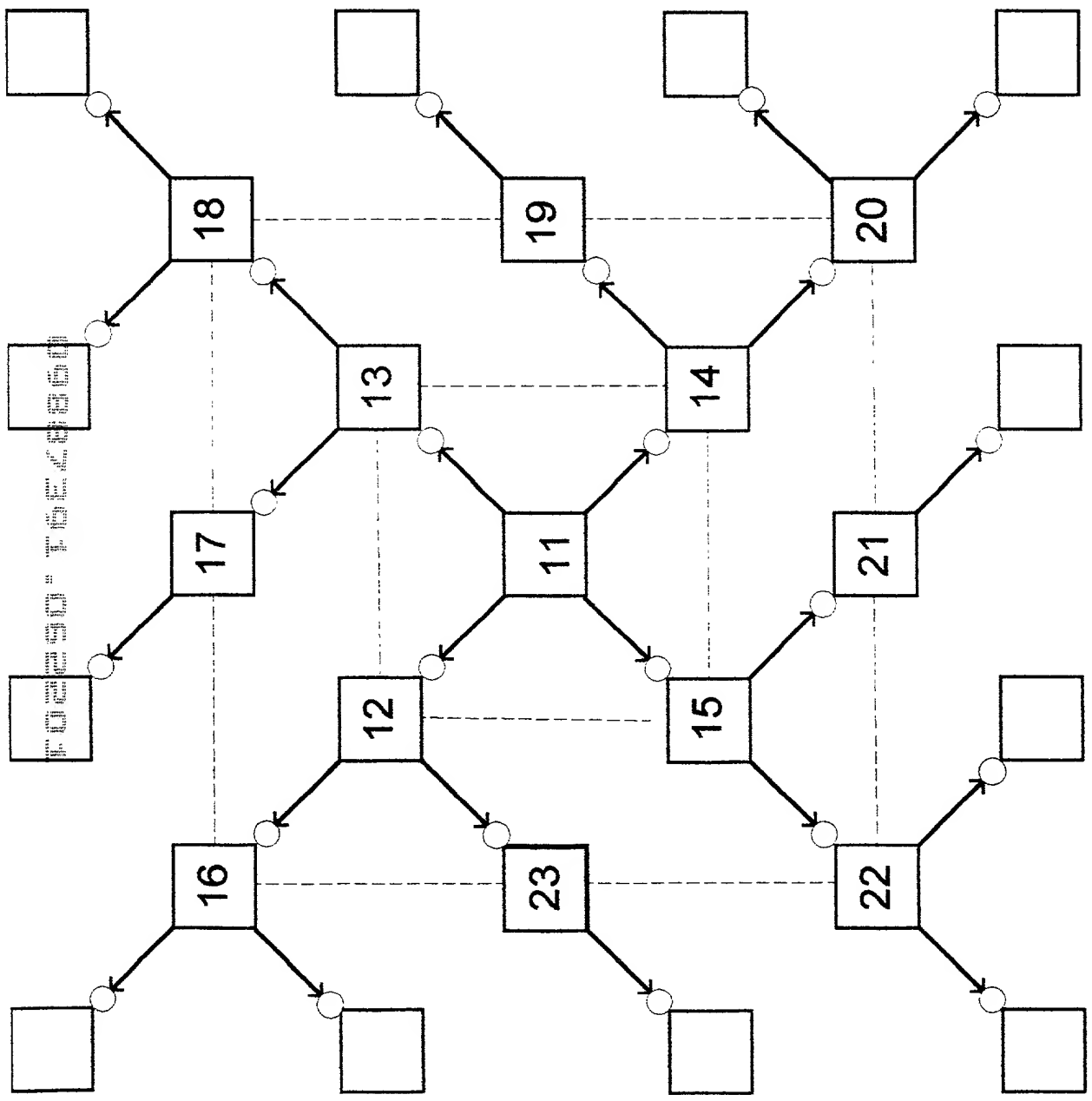


FIG. 4



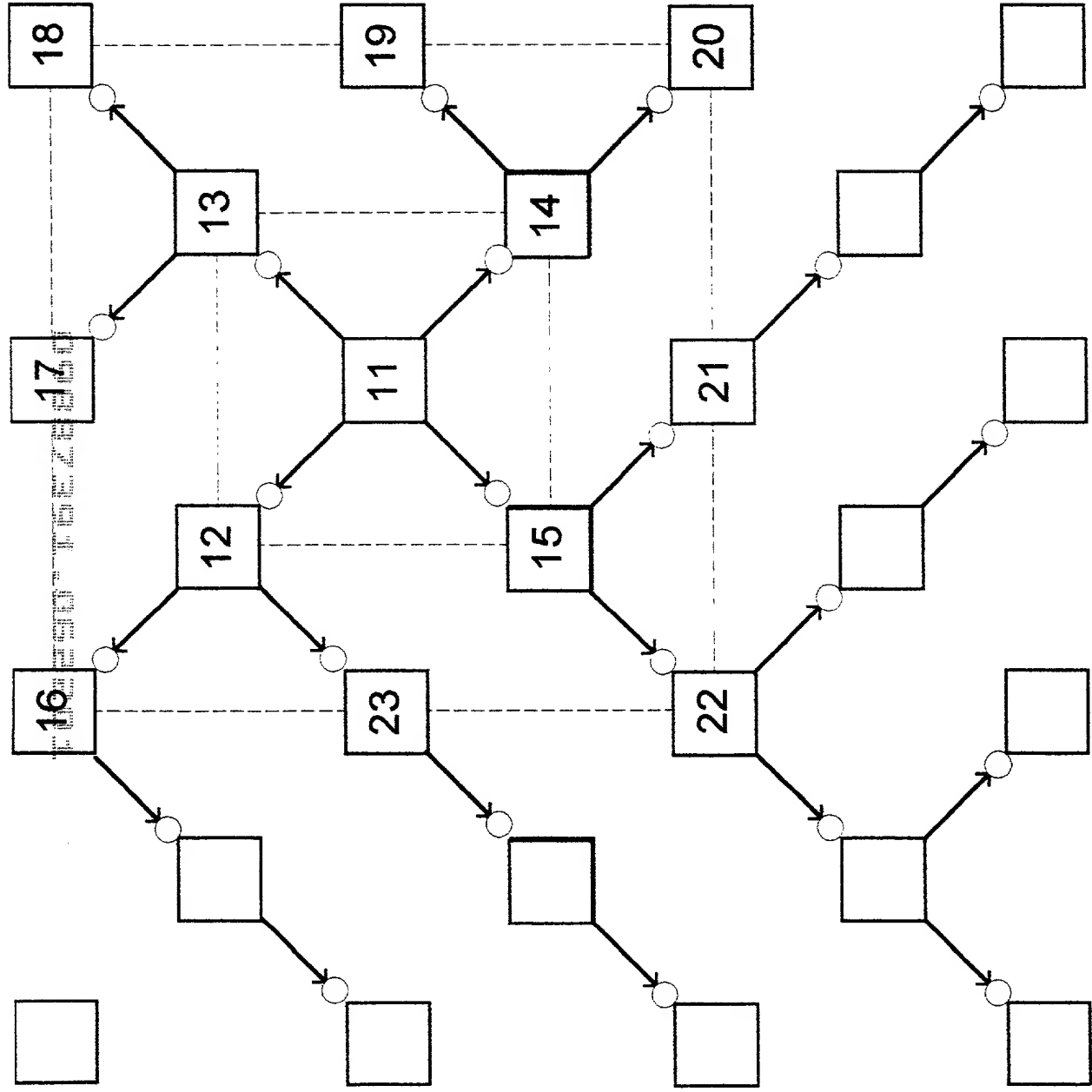


FIG. 5B

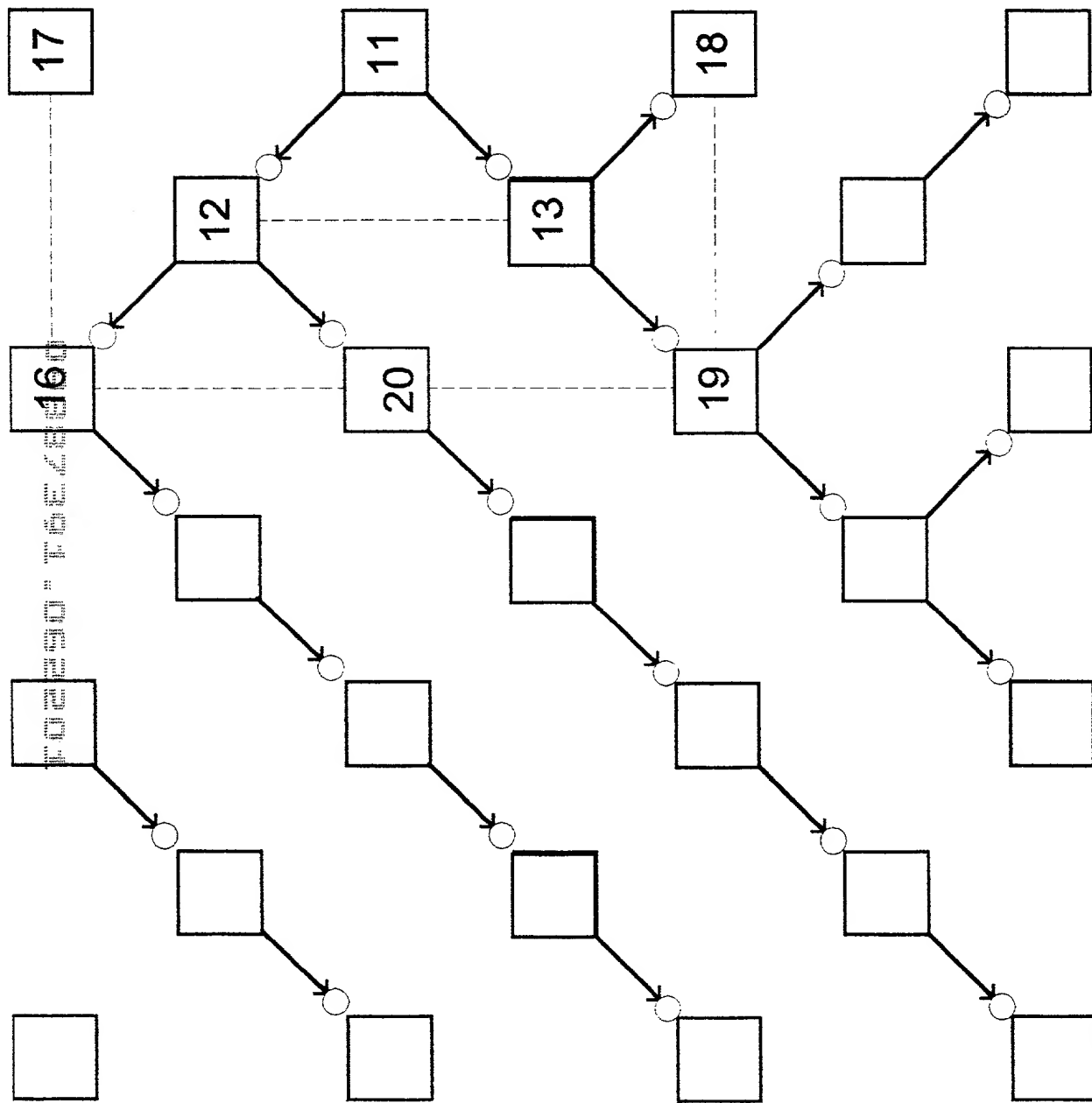


FIG. 5C

Total = 181

Total

Level	Population of the Level	Network Population
1	1	1
2	4	5
3	8	13
4	12	25
5	16	41
6	20	61
7	24	85
8	28	113
9	32	145
10	36	181

FIG. 6

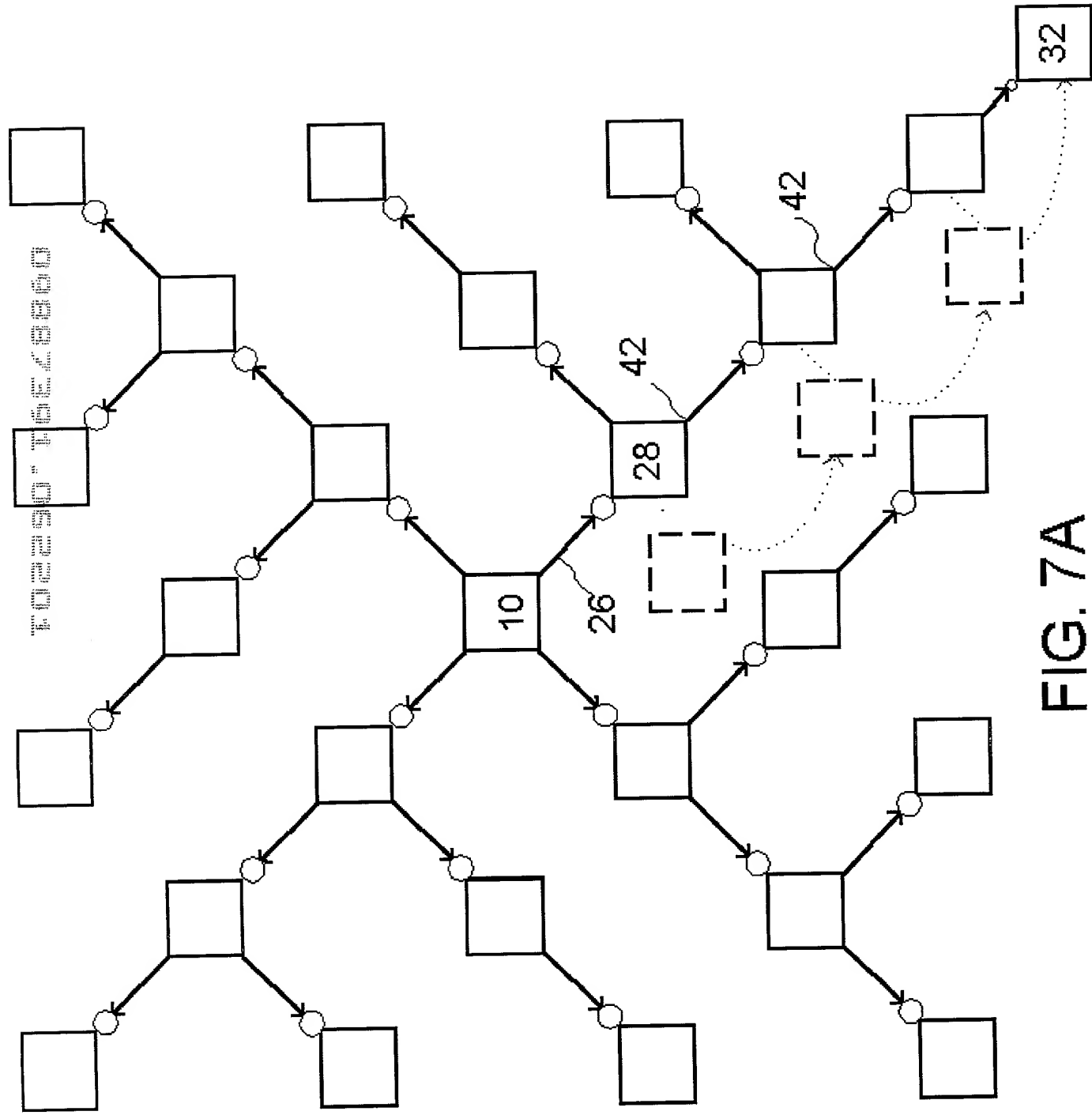


FIG. 7A

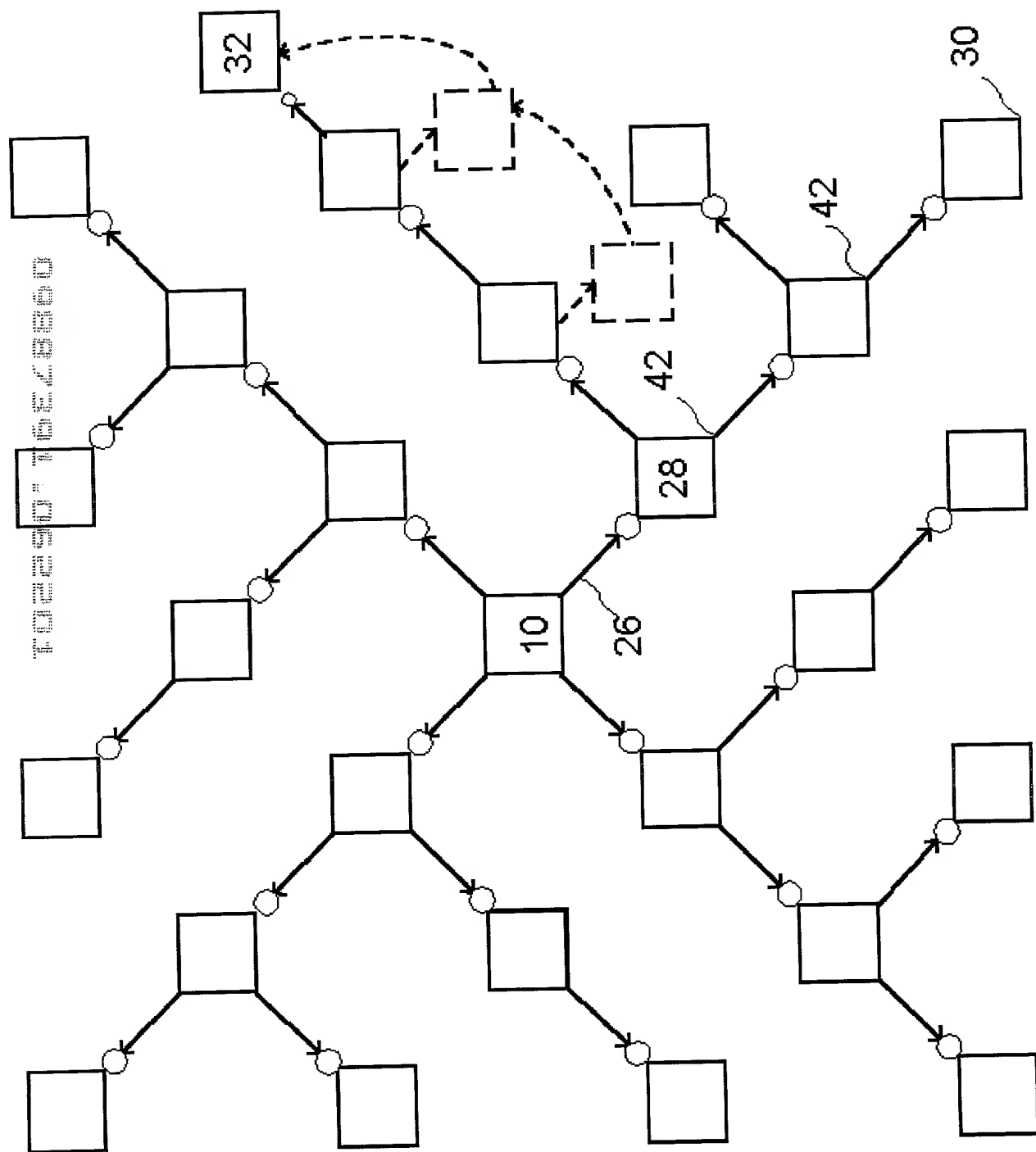


FIG. 7B

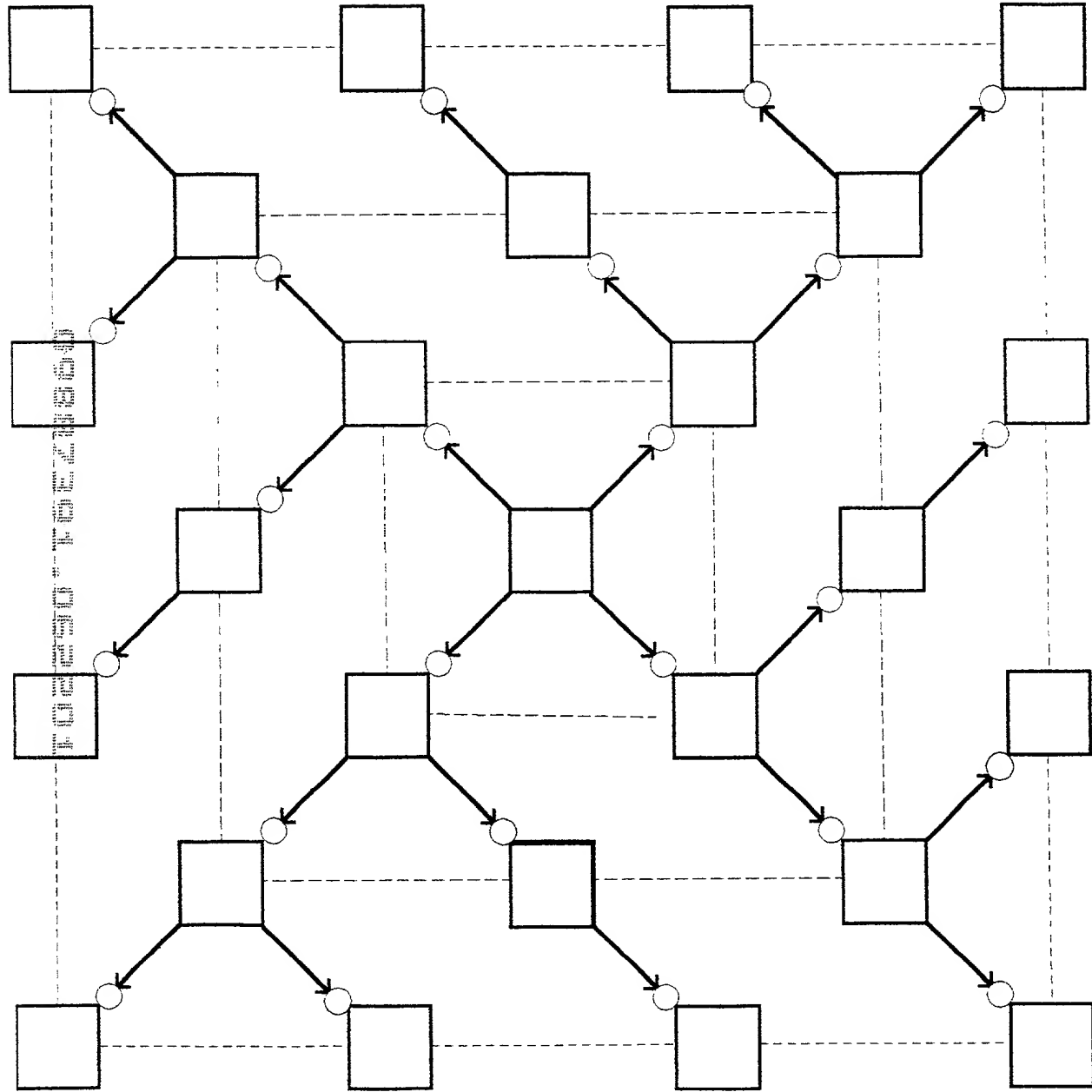


FIG. 8A

FIG. 8B

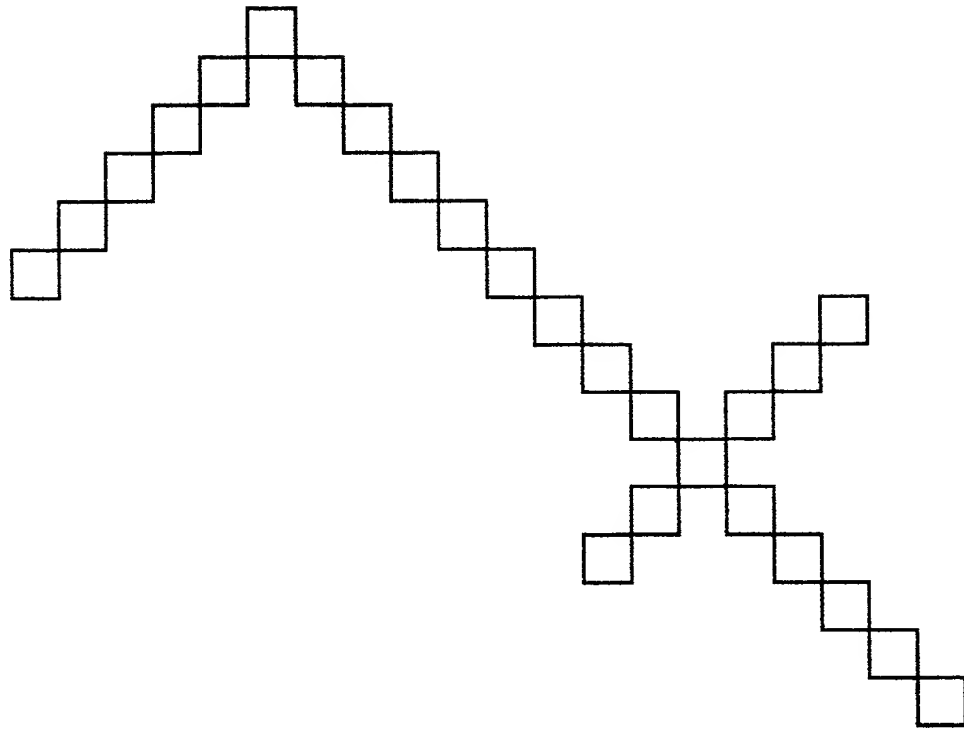


FIG. 8B

Next State	State1	State2	State3	State4	State5	State6	State7
Initial State							
State1	X	found collection of computers	X	X	X	X	X
State2	lost N0 link	X	found edge of collection on radial	found edge of collection on indirect radial	found edge of collection on indirect radial, N012 vacant	found edge of collection on indirect radial, N1 & N01 vacant	found edge of collection on indirect radial, N1 vacant & on radial
State3	lost all Links	X	X	orbit counter-clockwise	orbit counter-clockwise N012 vacant	orbit counter-clockwise N1 & N01 vacant	X
State4	lost all links	X	X	X	orbit counter-clockwise N012 vacant	orbit counter-clockwise N1 & N01 vacant	orbit counter-clockwise N1 vacant & on radial
State5	lost all Links	X	X	X	X	N01 disappears	X
State6	lost all links	X	X	X	X	X	X
State7	lost all Links	X	orbit counter-clockwise	X	X	X	X

FIG. 9A-1

Next State Initial State	State1	State2	State3	State4	State5	State6	State7
State8 lost all Links		X	X	X	N1 disappears	N1 & N01 disappear	orbit counter- Clockwise N1 is on radial N1 disappears X
State9 lost all Links		X	X	X	X	X	N1 disappears X
State10 lost all Links		X	N1 & N2 disappear X	X	X	X	X
State11 lost all Links		X	N0 reappears decay to radial,N2 Vacant	X	N1 & N2 disappear X	N1,N2,&N01 disappear X	X
State12 lost all Links		X					
State13 lost all Links		X		N0 reappears	X	X	X
State14 lost all links		X					

FIG 9A-2

Next State Initial	State8	State9	State10	State11	State12	State13	State14
State1	X	X	X	X	X	X	X
State2	X	found Collection of Computers, N1 Is on radial	X	X	X	X	X
State3	X	X	N2 appears	X	X	X	X
State4	orbit Counter- Clockwise	N1 appears on radial	X	N1 appears	X	N0 disappears	X
State5	N1 Reappear	X	X	N1 & N12 reappear	X	X	N0 disappears
State6	N1 & N01 Reappear	X	X	N1,N2,&N01 reappear	X	X	N0 disappears
State7	X	N1 Appears	X	X	X	X	N0 disappears

FIG. 9A-3

Next State Initial	State8	State9	State10	State11	State12	State13	State14
State8	X	X	X	N12 Reappears X	X	X	N0 disappears No disappears X
State9	X	X	X	orbit Counter- clockwise X	N0 disappears	X	X
State10	X	X	X				
State11	N12 Disappears	N12 disappears N1 on radial X	X	X	X	N0 disappears N0 on radial	N0 disappears
State12	X	X	N0 reappears X	X	X	X	X
State13	X	N0 Reappears N1 exists, N12 is vacant	X	N0 reappears N1,N12,&N2 exist X	X	X	X
State14	N0 reappears N1 exists N12 is vacant	N0 reappears N1 exists N12 exists	X	X	X	X	X

FIG. 9A-4

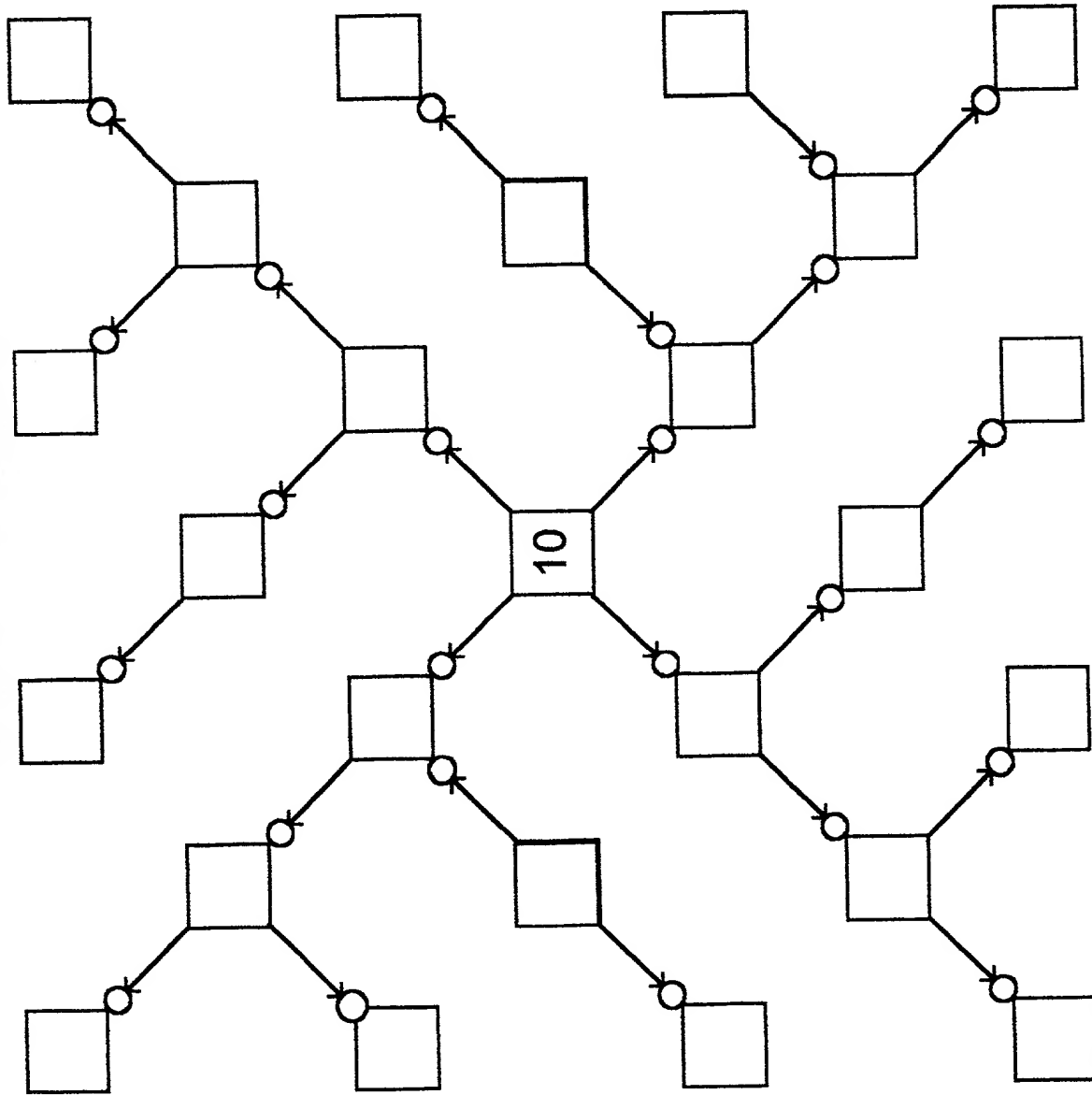
FIG. 9A(1)

FIG. 9A(3)

FIG. 9A(2)

FIG. 9A(4)

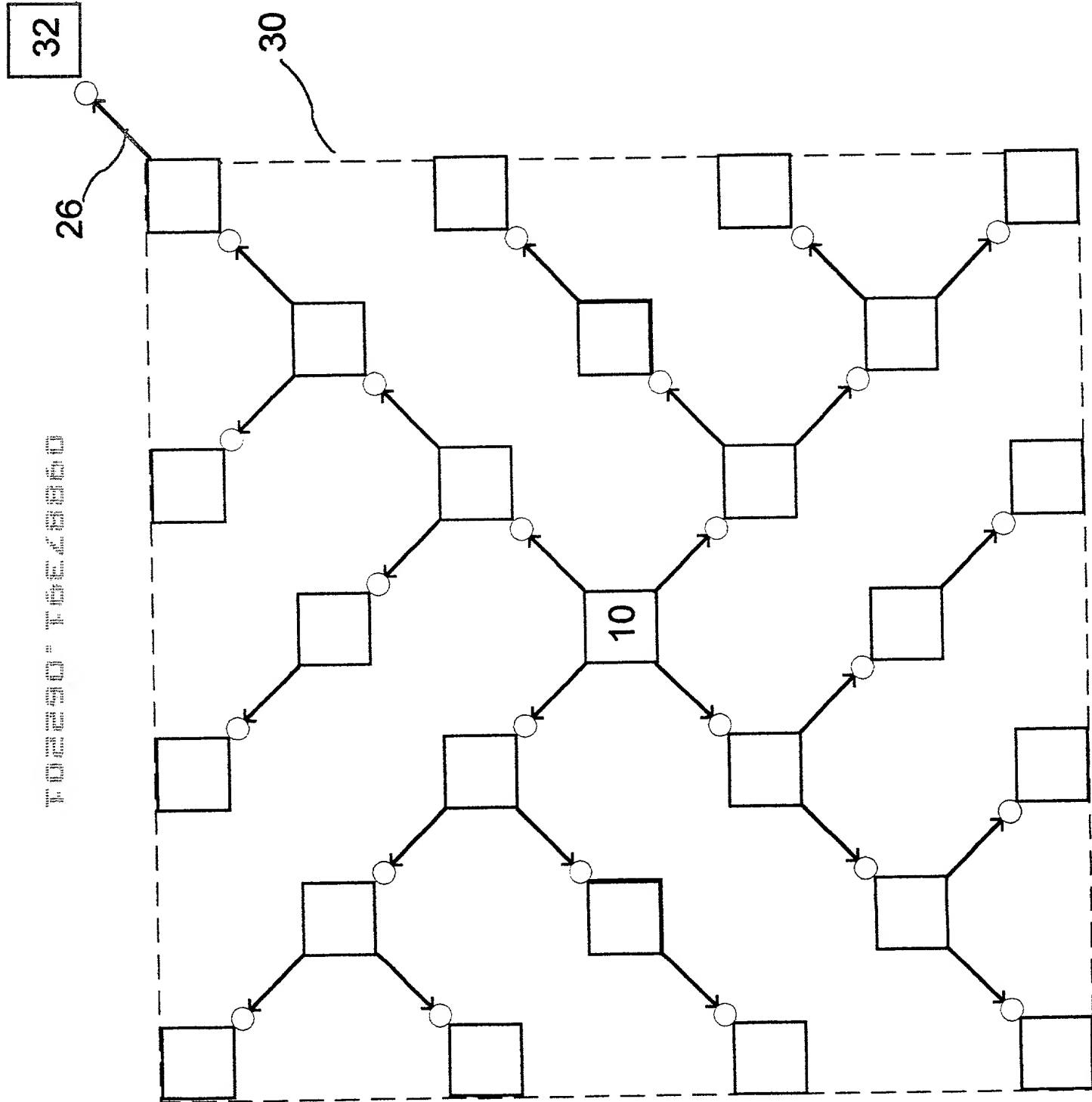
FIG. 9A(5)



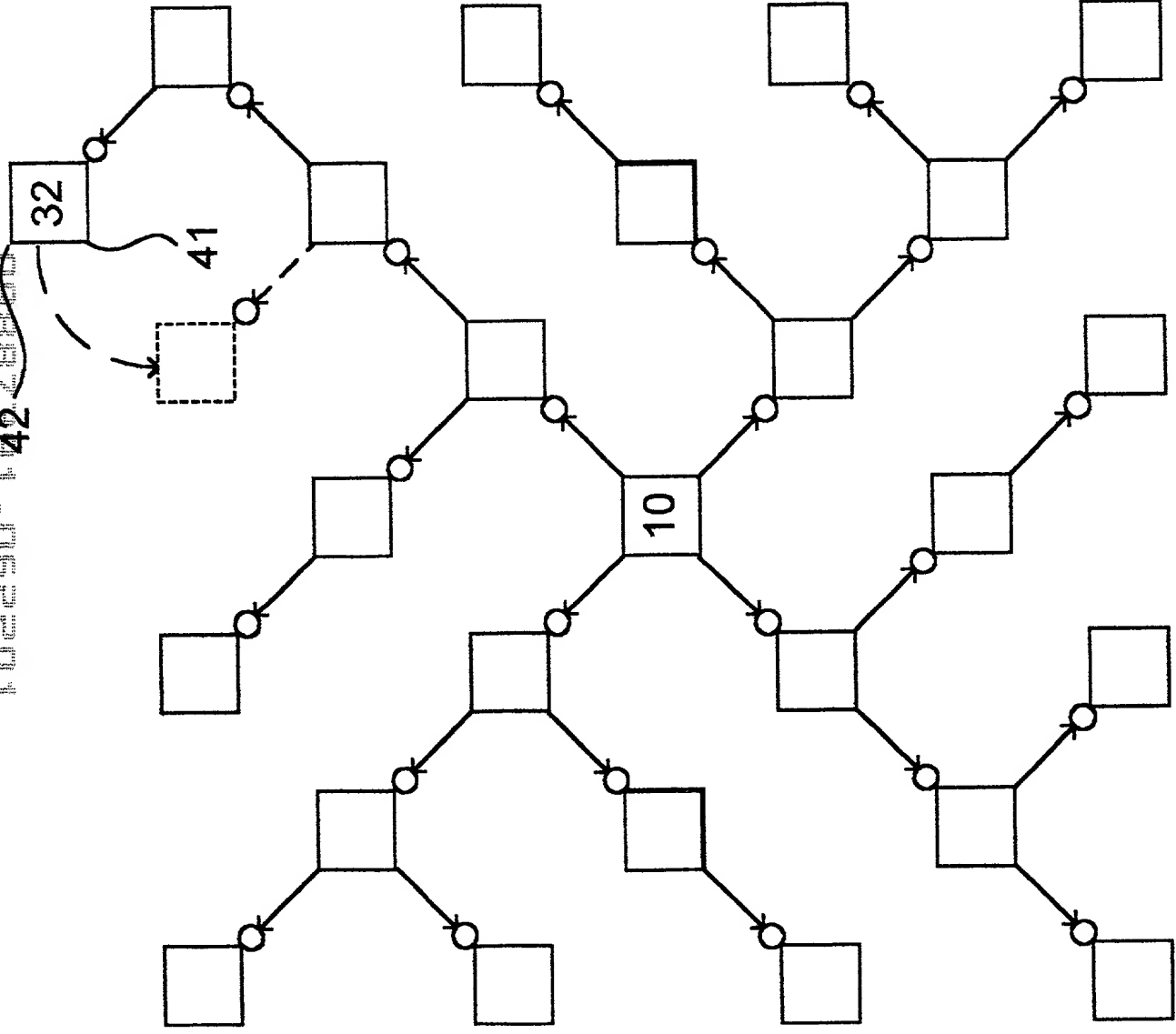
State 1
FIG. 9B



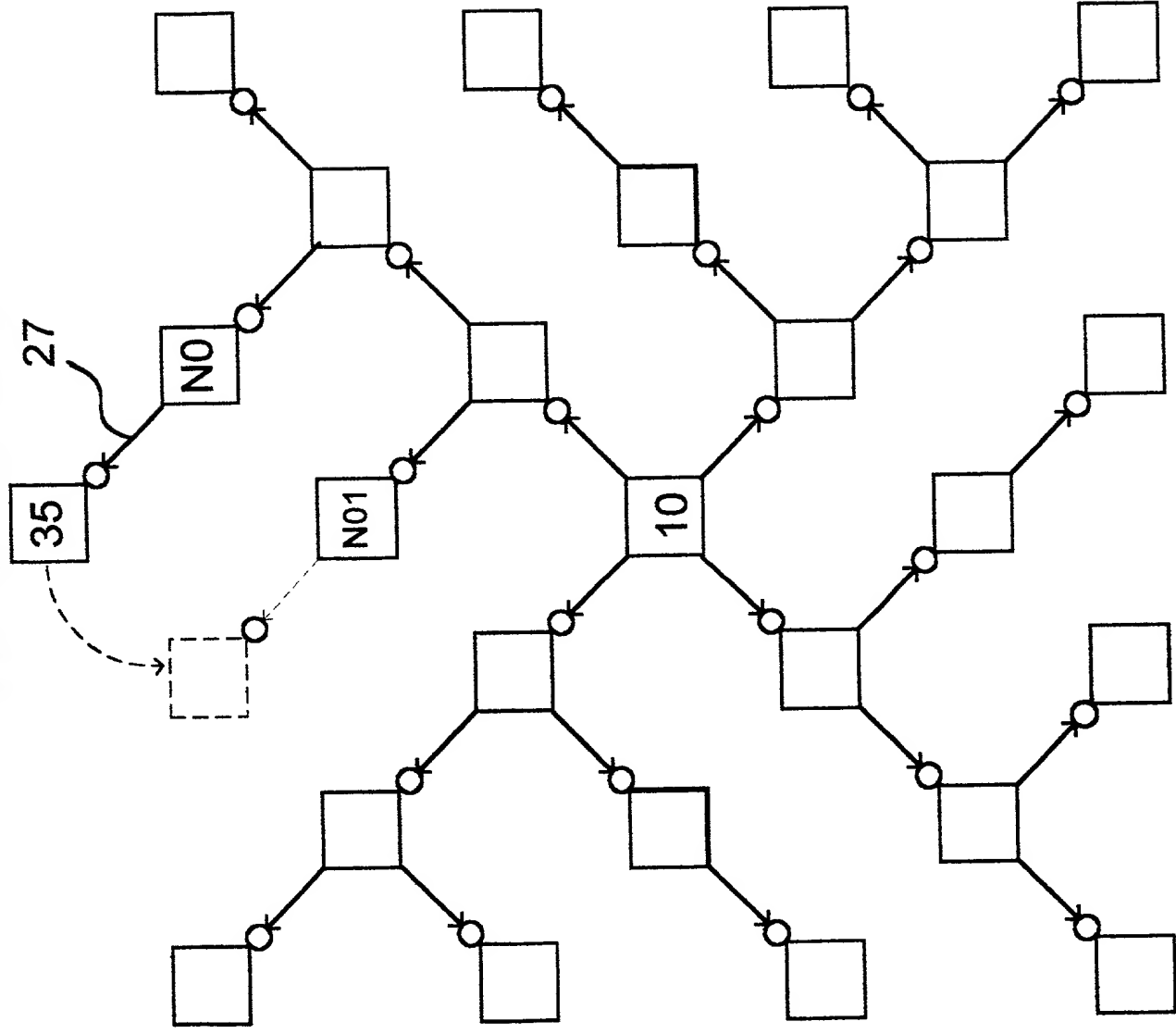
State 2



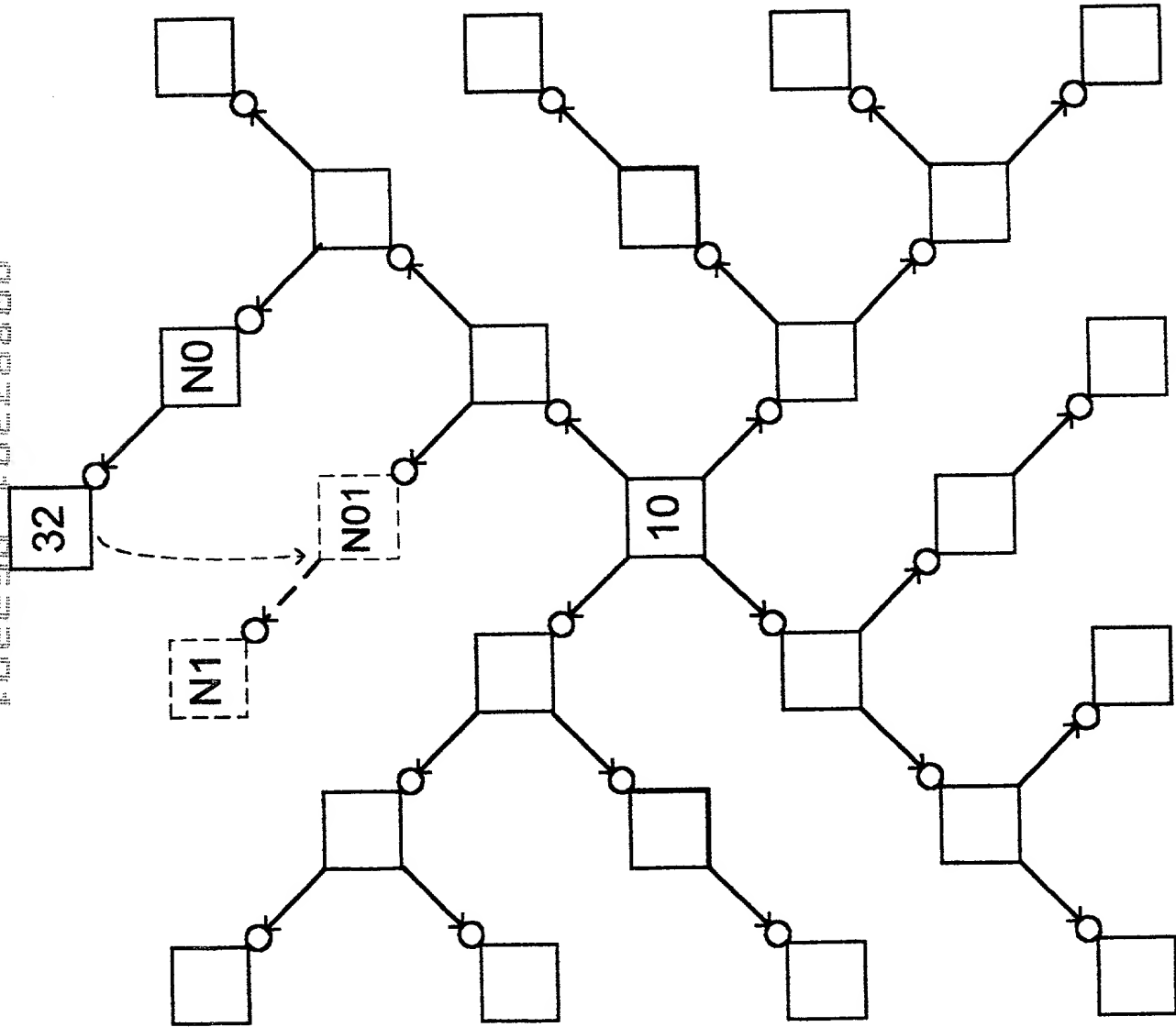
State 3 FIG. 9D



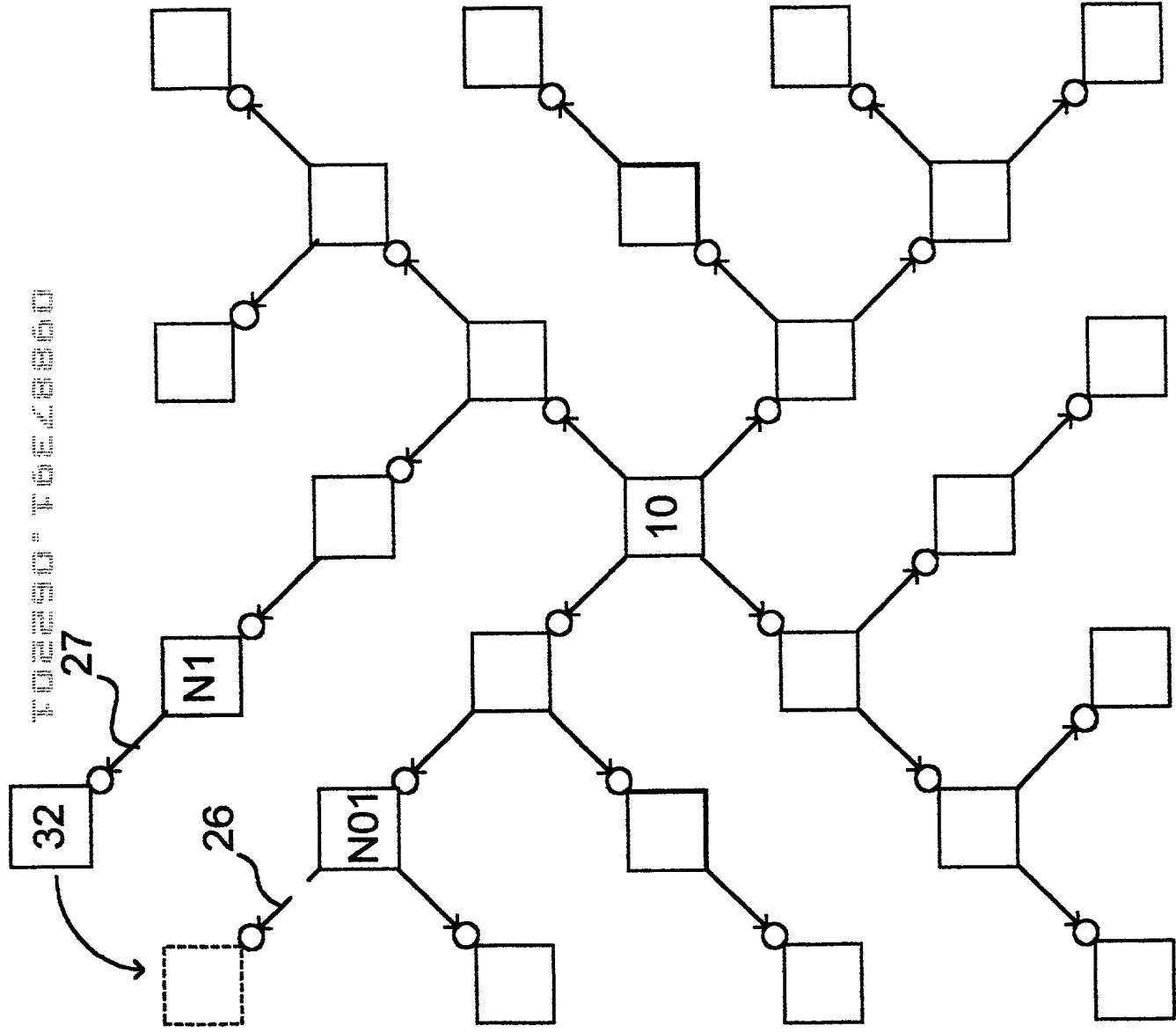
State 4 FIG. 9E



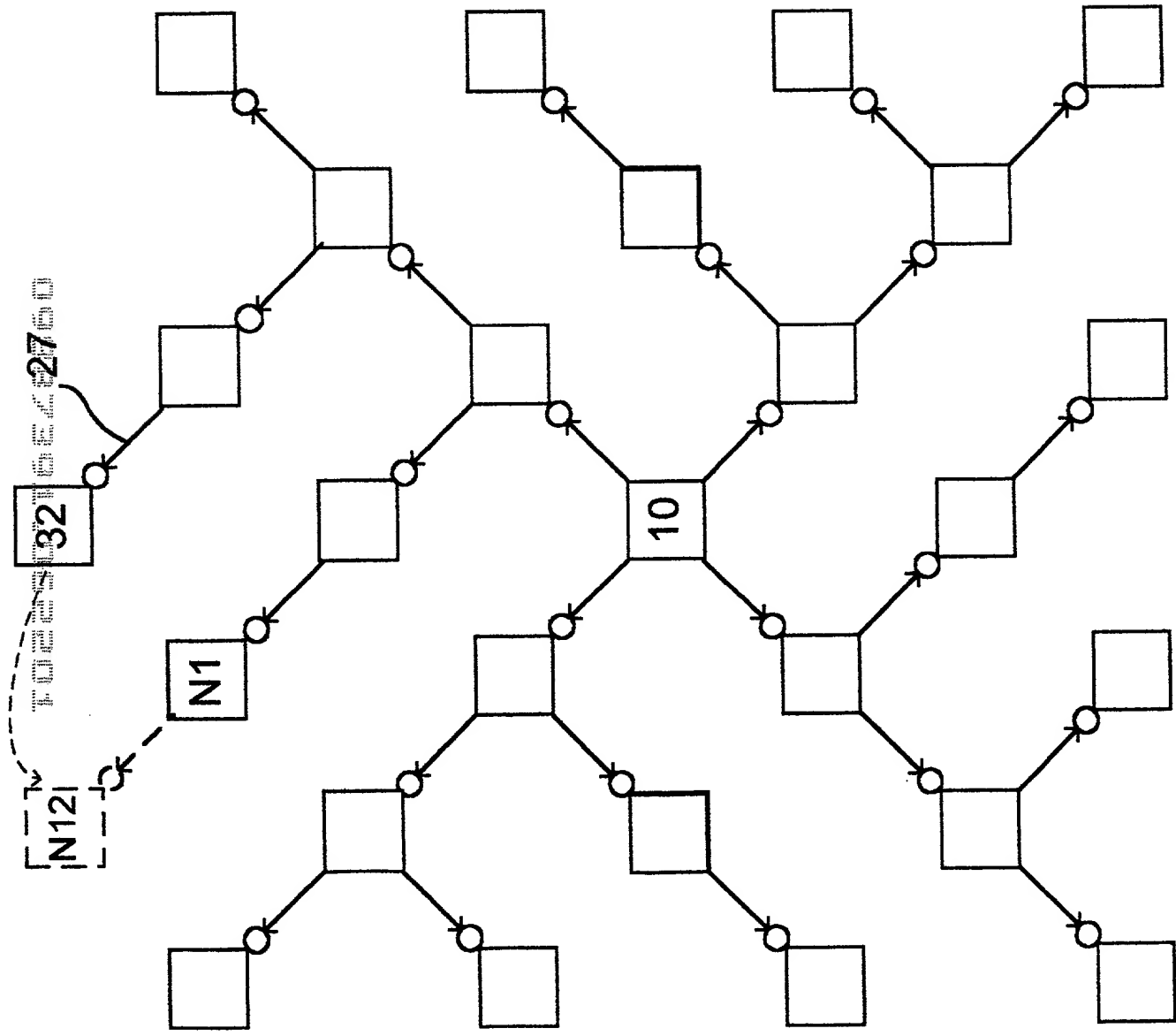
State 5 FIG. 9F



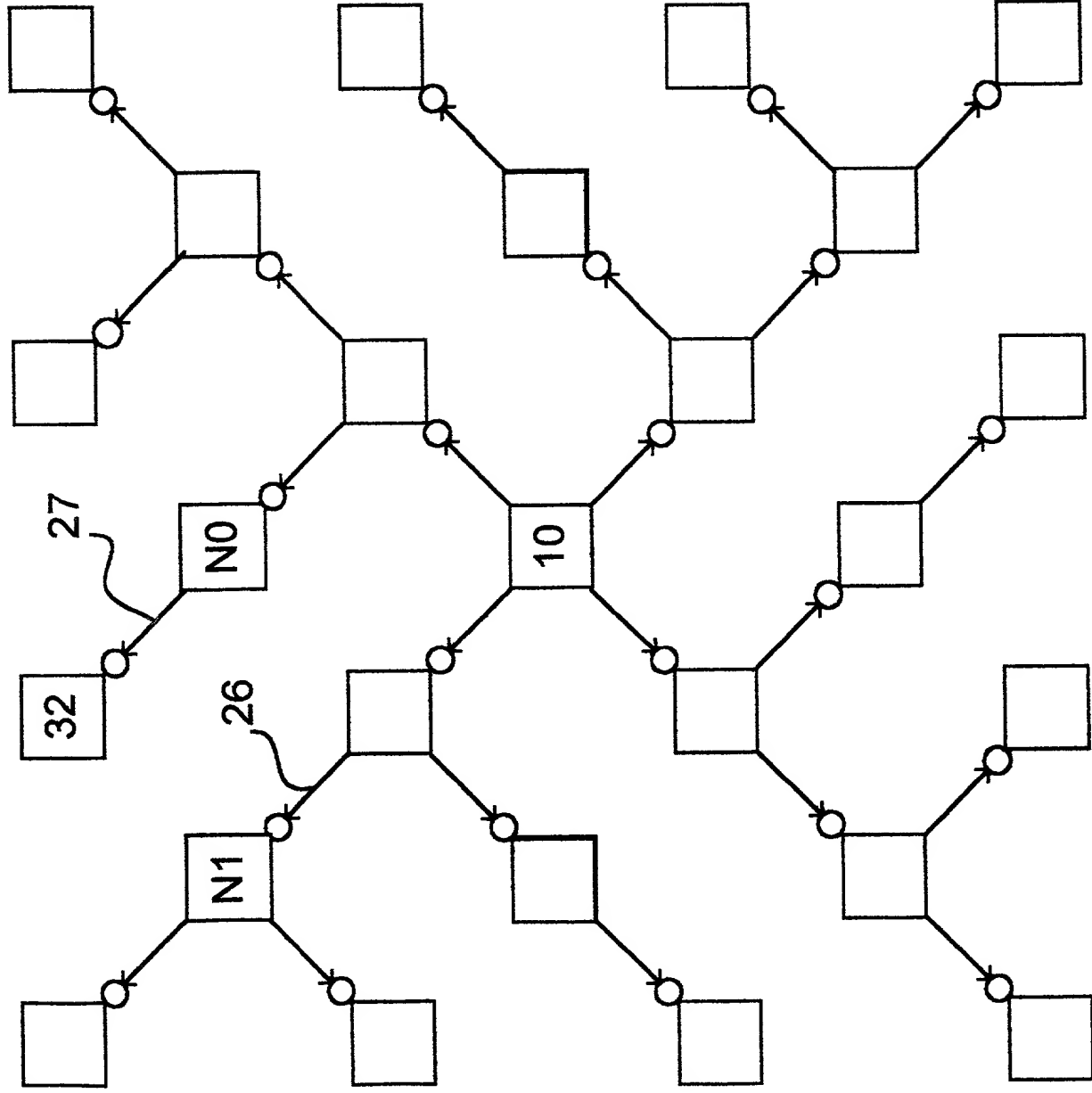
State 6 FIG. 9G



State 7 FIG. 9H

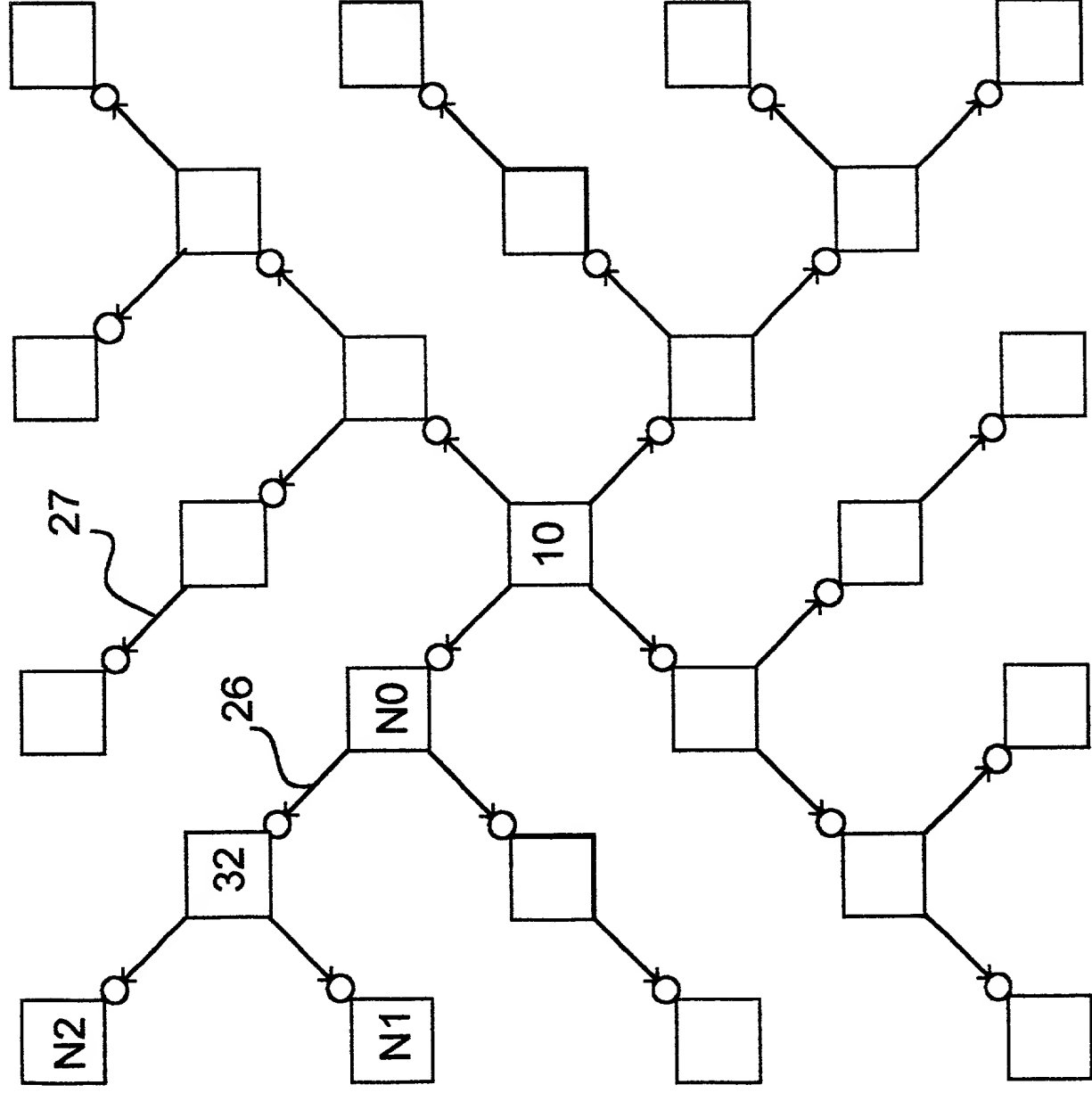


State 8 FIG. 9I

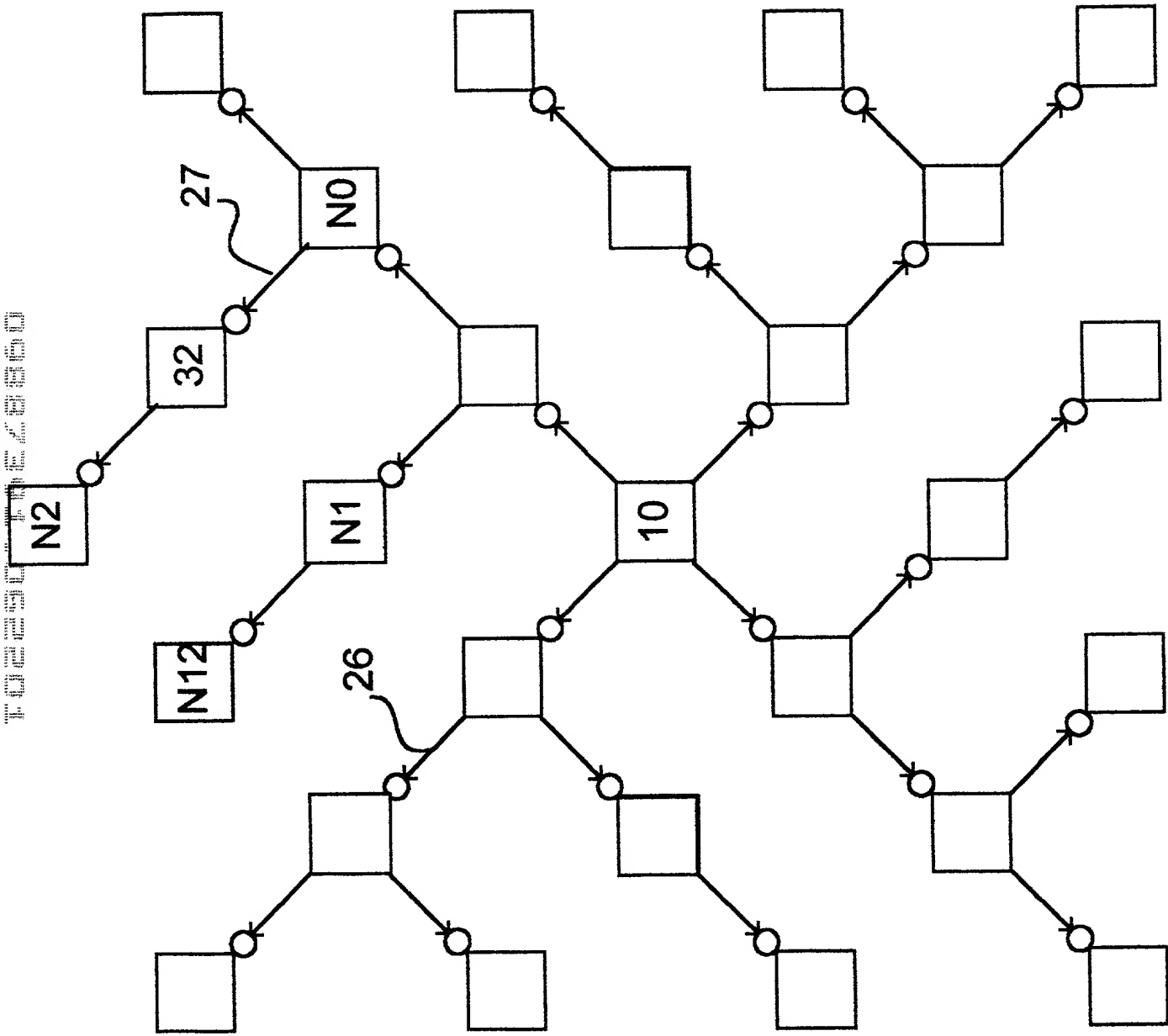


State 9

FIG. 9J

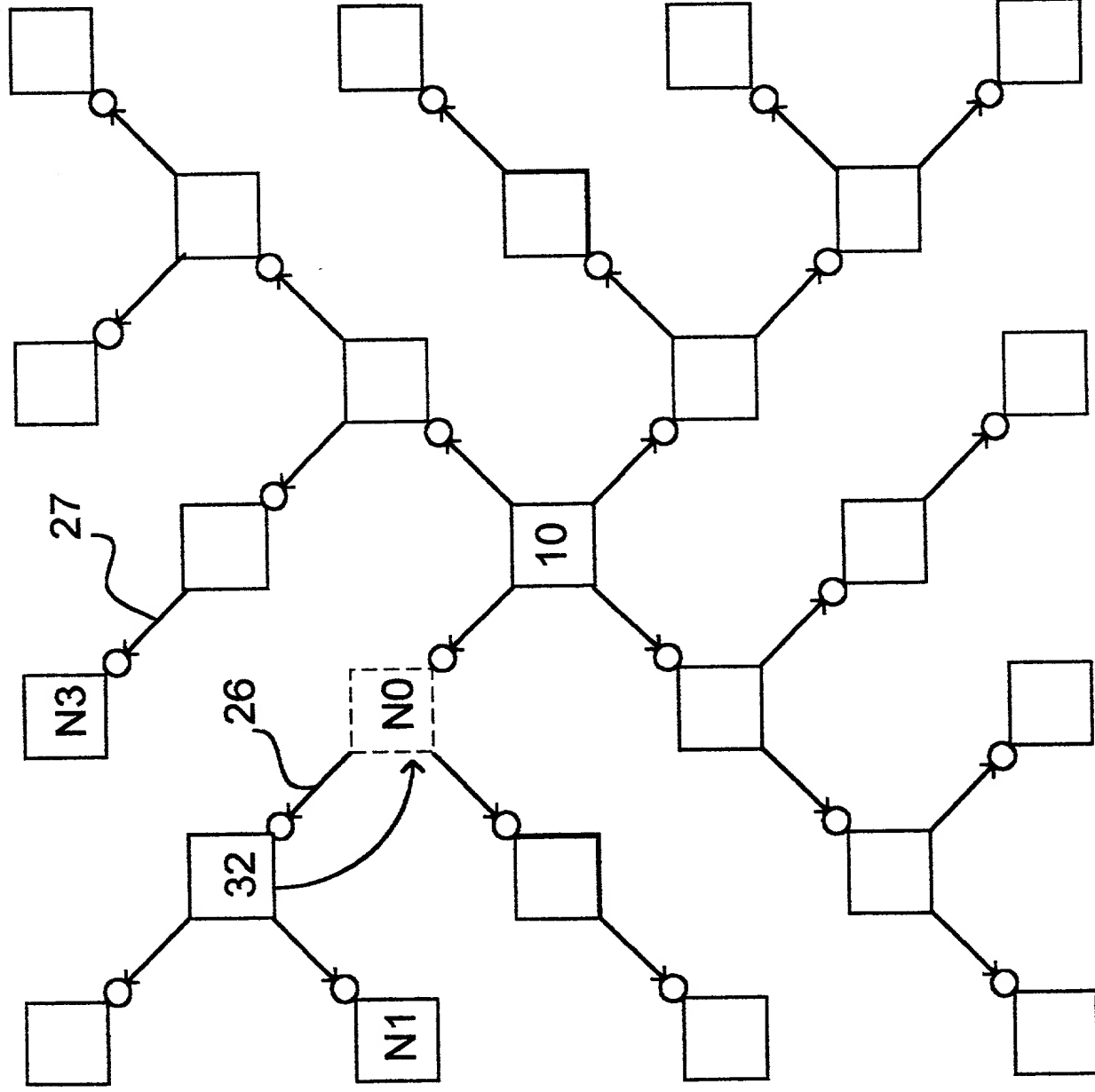


State 10 FIG. 9K

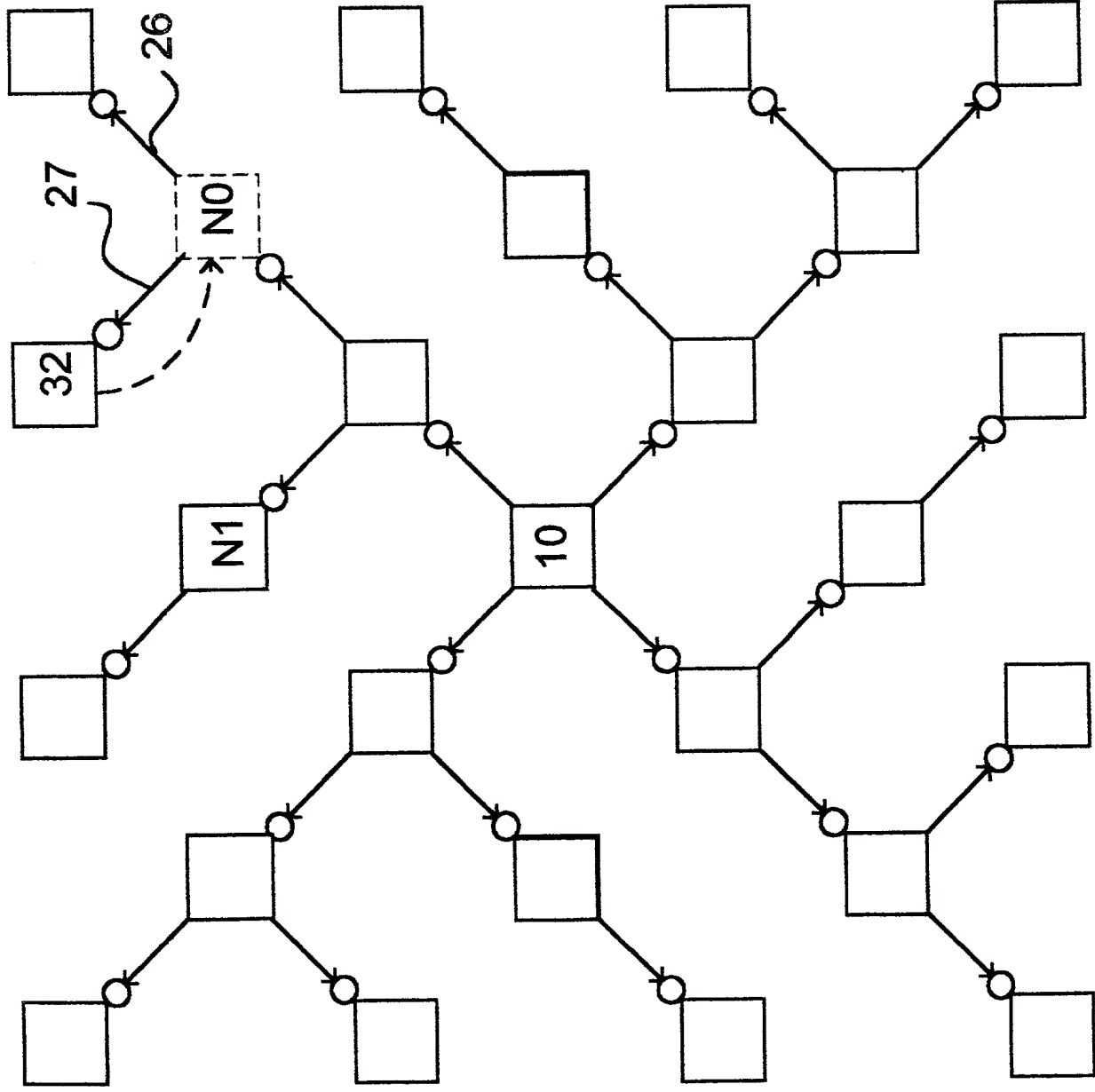


State 11

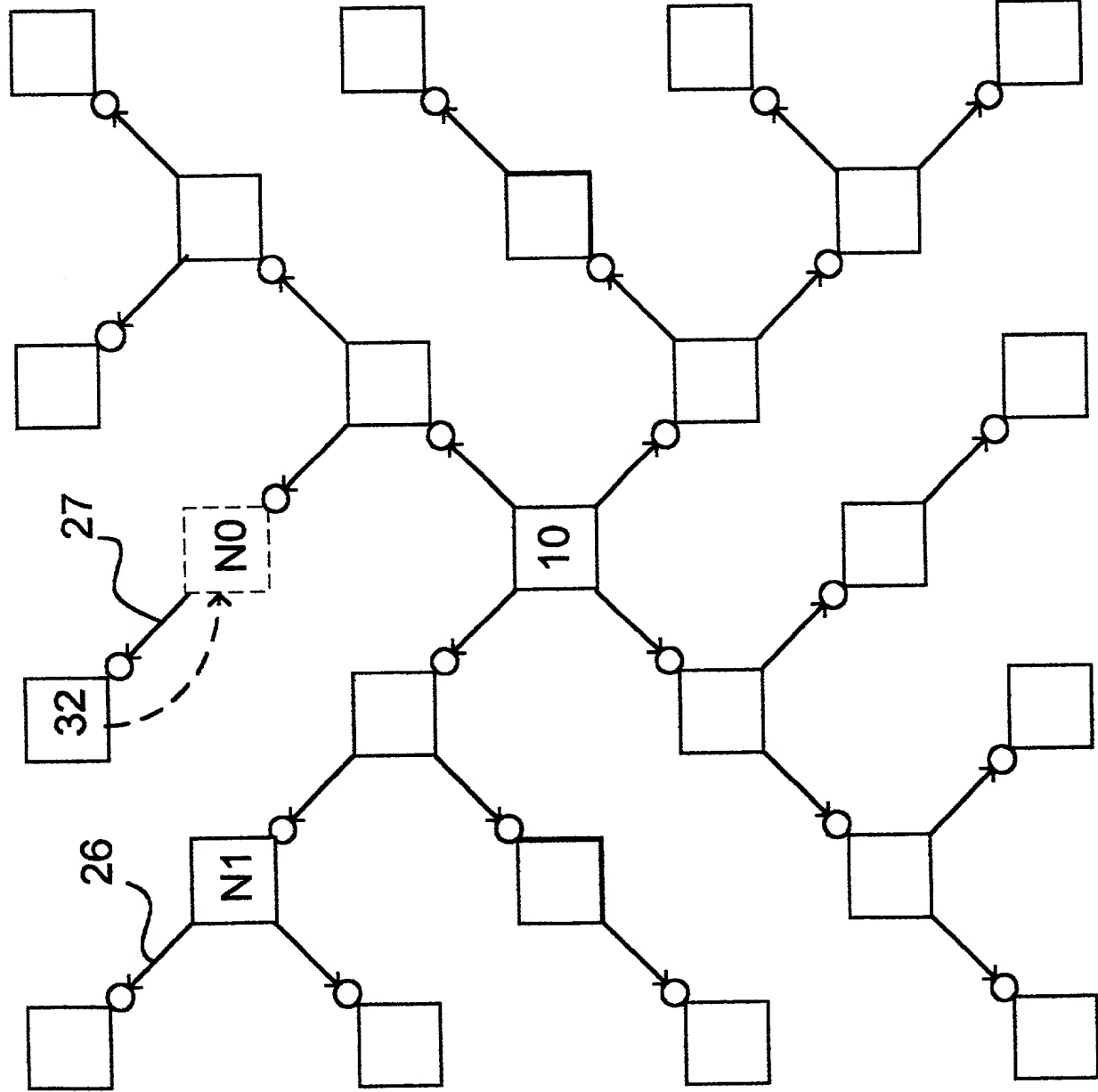
FIG. 9L



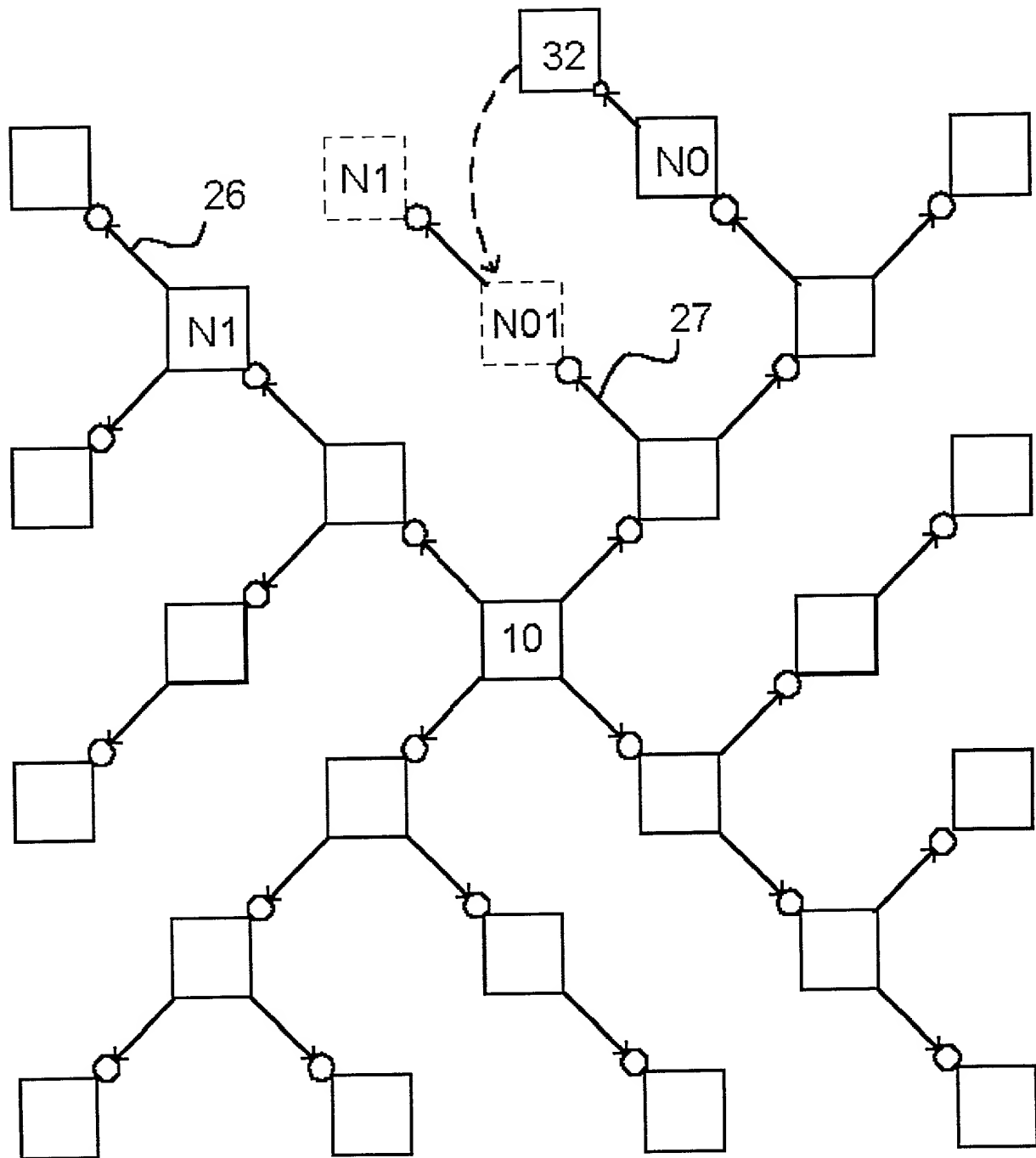
State 12 FIG. 9M



State 13 FIG. 9N



State 14 FIG. 90



State 15

FIG. 9P

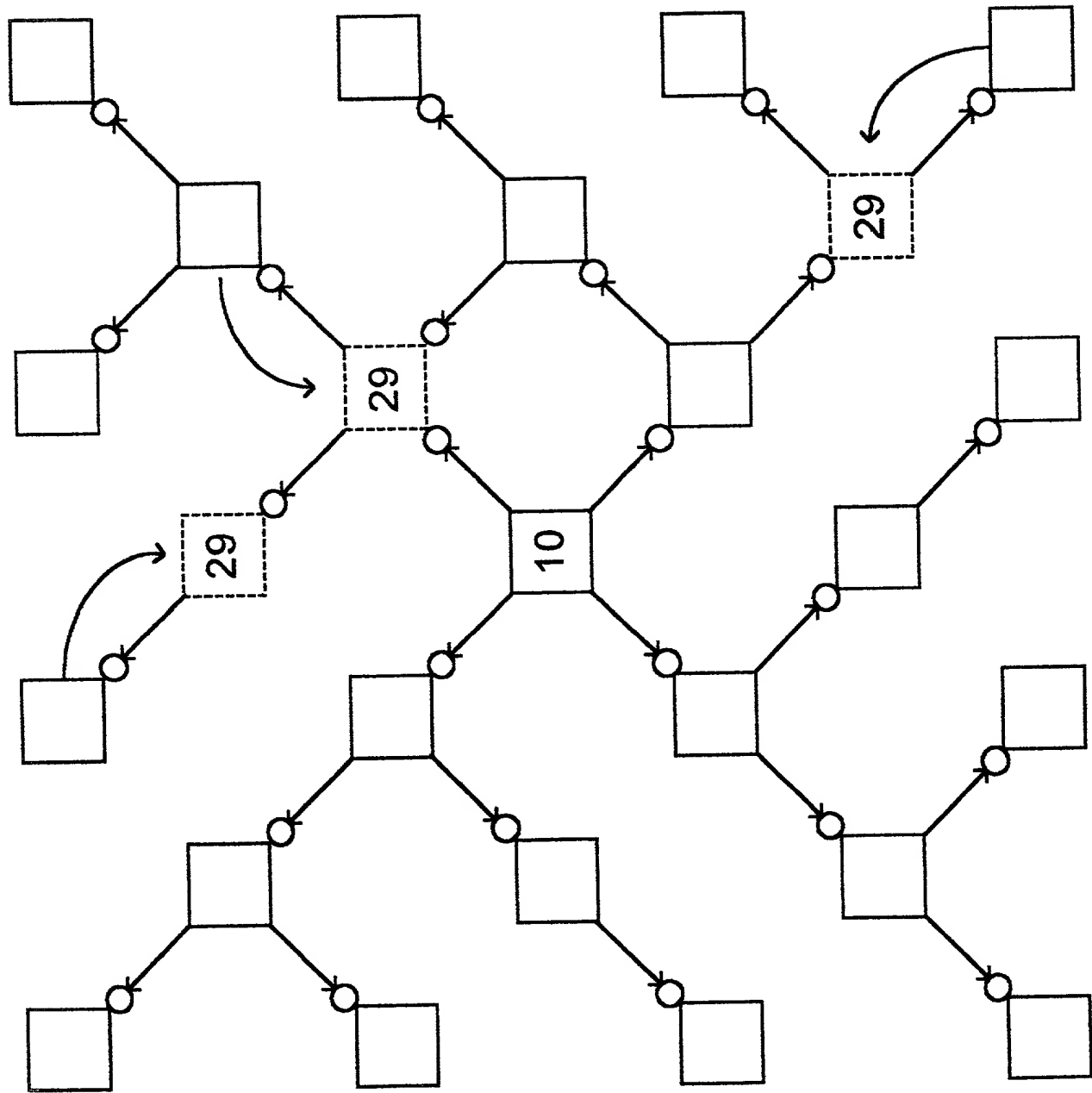


FIG. 10A

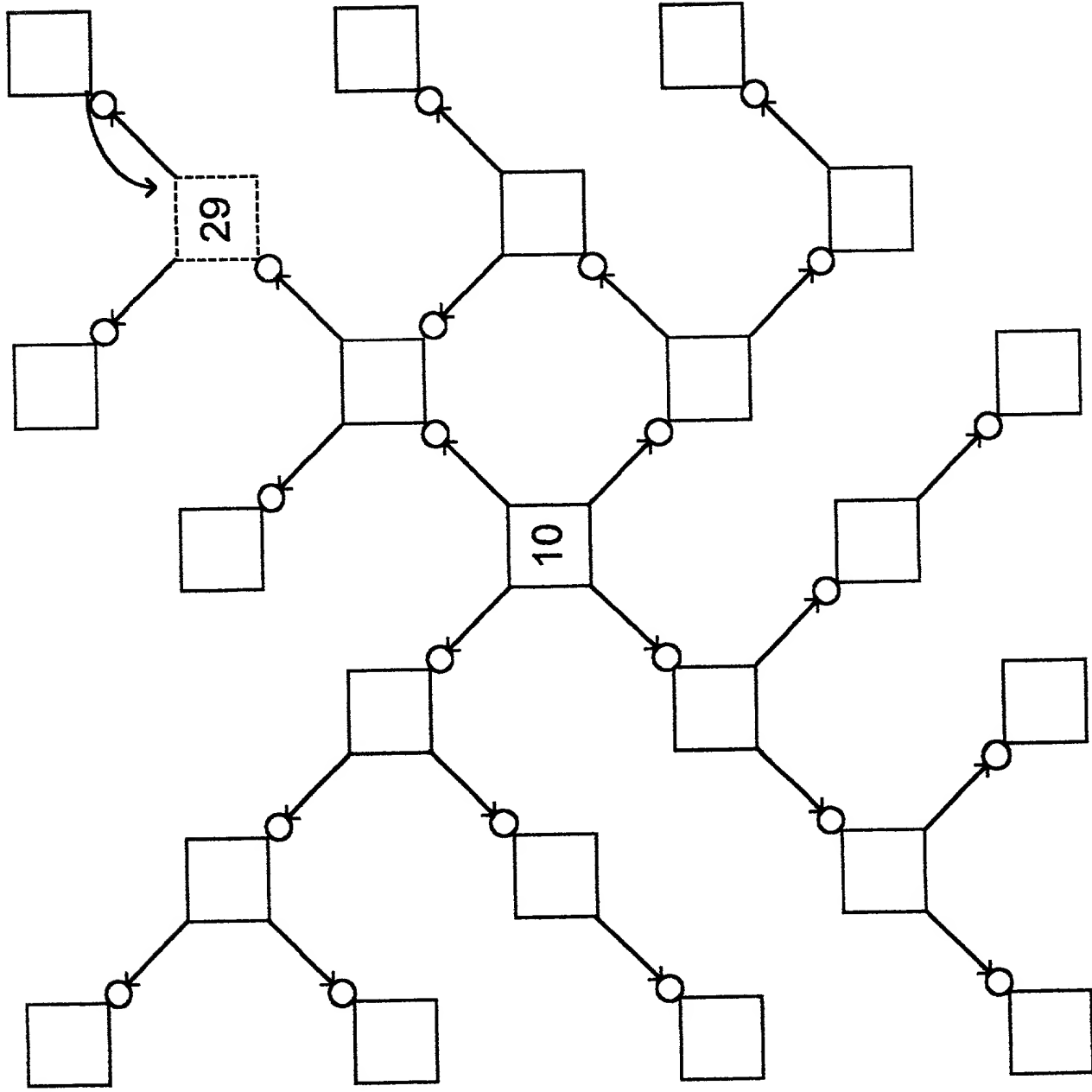


FIG. 10B

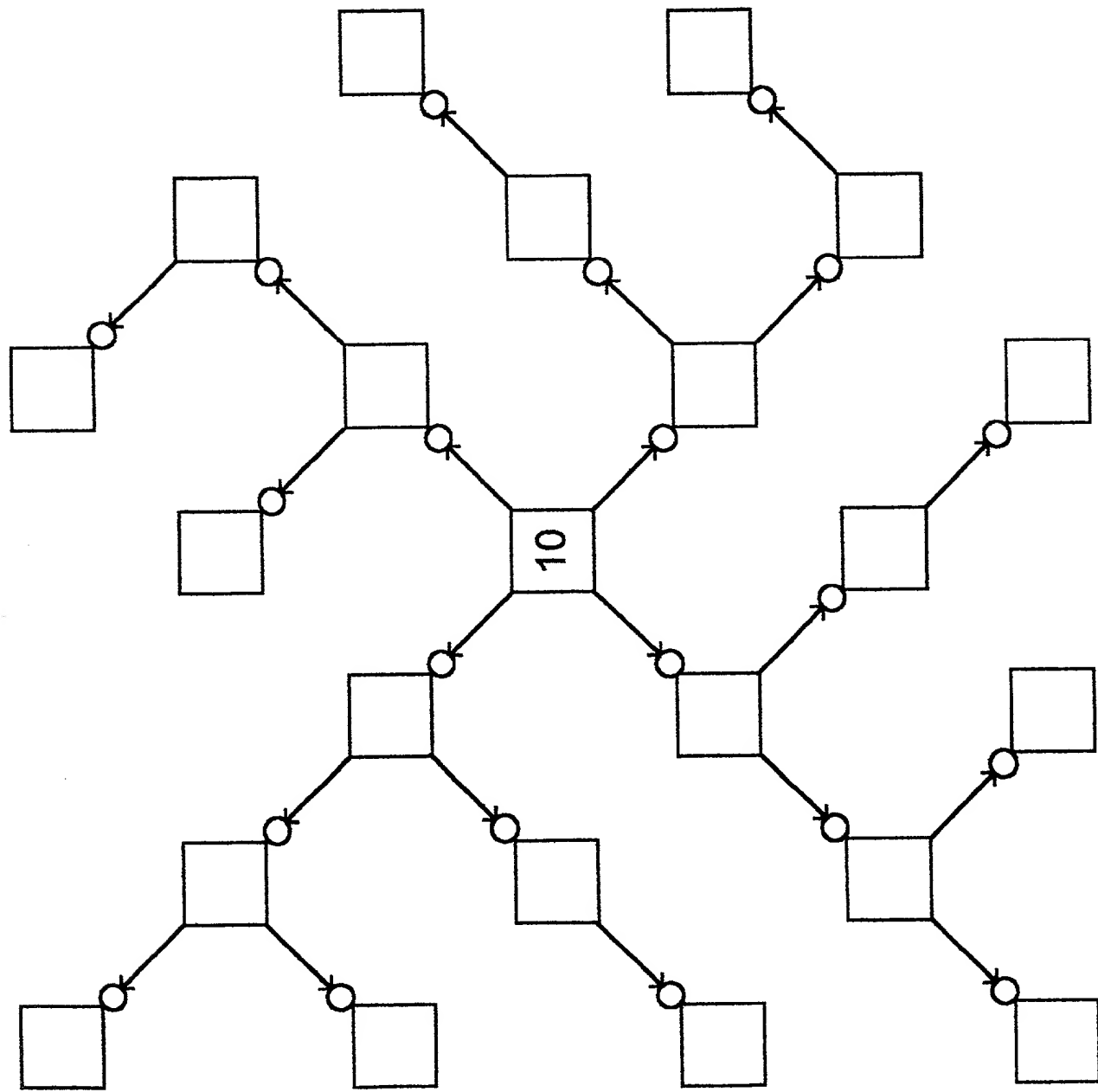


FIG. 10C

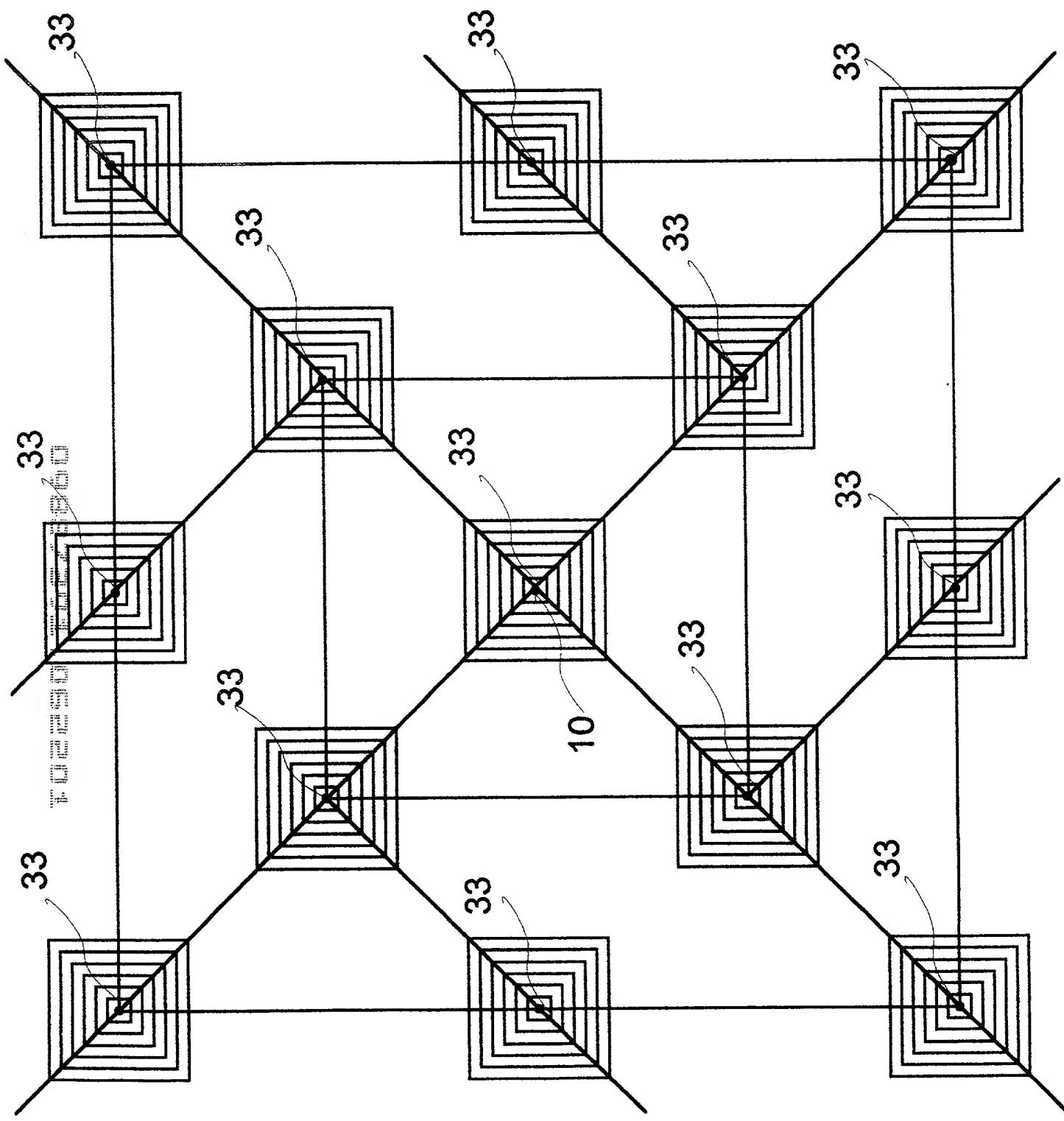


FIG. 11

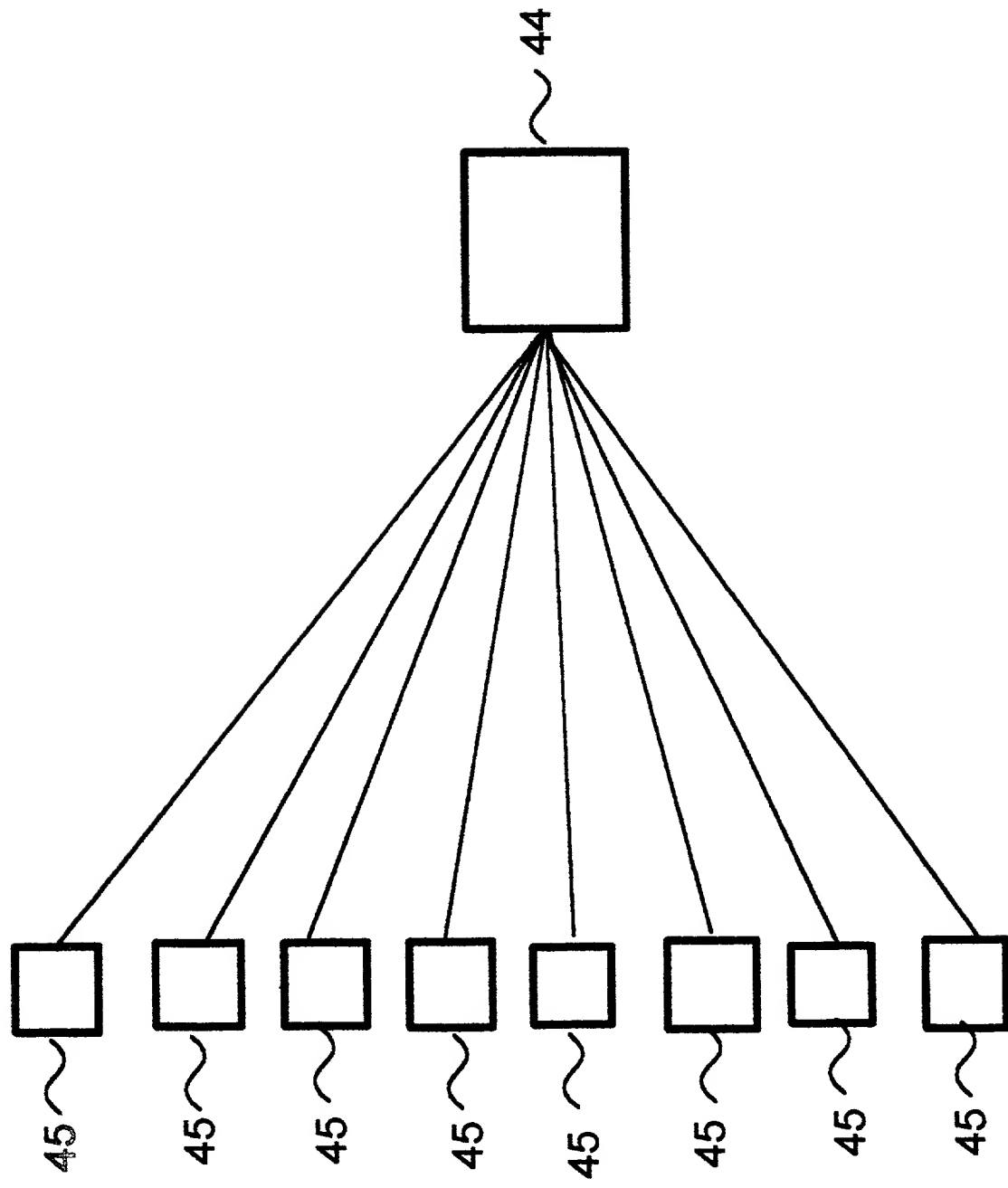


FIG. 12

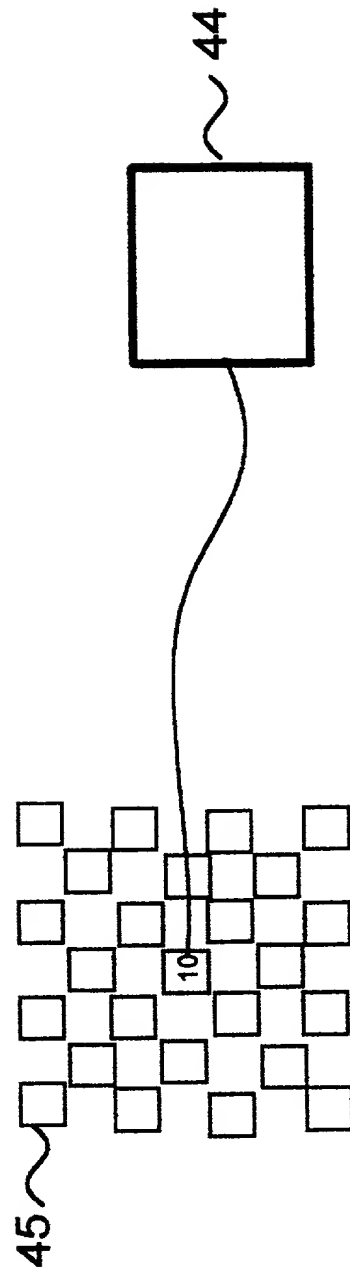


FIG. 13